



U.S. Department of Transportation

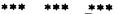
National Highway Traffic Safety Administration

#### Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.





Administration

National Highway Traffic Safety

#### CASE SUMMARY

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

PSU \_\_\_\_\_ CASE NO. 211J TYPE OF ACCIDENT \_ Car / Car - Acute Angle

#### A. DESCRIPTION OF THE ACCIDENT SEQUENCE AND ACCIDENT PECULIARITIES

(Provide a summary of the accident sequence as well as any particular event of the accident that is noteworthy. Injury mechanism and vehicle crashworthiness is the focus, not driver culpability. Do not include any personal identifiers.)

V1 was traveling west on a four lane divided highway in the outside lane. V2 was traveling north, stopped at an intersection. V2 was attempting to turn left to travel east. As V2 crossed the westbound travel lanes, it was struck in the left side by the front of V1. The driver and passenger in V1 were transported to a local hospital emergency room where they were treated and released. The driver of V2 was transported to a trauma center and admitted for treatment. She died approximately 12 hours following the accident.

B. VEHICLE PROFILE(S)							
	e Class - Year/Make/Model Vehicle		Most Seve Based on Vehi	re Damage icle Inspection	_		
Vehicle No.					Component Failure		
<b>J</b> 1	Subcompact	1992 / Toyota / Corolla	Front	Moderate	None		
2	Intermediate	1993/Honda/Accord	Left	Severe	None		

DO NOT SANITIZE THIS FORM

	C. PERSON PROFILE(S)							
Vehicle		Seat	Restraint	(				
No.	Role	Position	Use	Body Region	Injury Type	AIS	Injury Source	
1	Driver	Front Left	Lap/Shoulde	rChest	Confusion	1	Steering wheel Glove compartment	
1	Passenger	Front Right	Lap only	Lower leg	fracture	2	Clove comportment	
2	Driver I	Front Left I	_ap/Shoulder	Heart	laceration	5	Doorsurface indirect	

**Body Region** 

Abdomen Ankle-foot Arm (upper)

Back-thoracolumbar spine

Chest Elbow Face Forearm

Head-skull Knee

Leg (lower) Lower limbs(s) (whole or unknown

part)

Neck-cervical spine Pelvic - hip Shoulder

Thigh Upper limb(s) (whole or unknown

part) Whole body Wrist-hand

Brain Ears Eye Heart Kidneys Liver

Mouth Noise

Pulmonary-lungs

Spleen

Thyroid, other endocrine gland

Vertebrae

**Injury Type** 

Abrasion **Amputation Avulsion** Burn Concussion

Contusion Crush

Detachment, separation

Dislocation Fracture

Fracture and dislocation

Laceration Other

Perforation, puncture

Rupture Sprain Strain

Total severance, transection

Unknown

**Abbreviated Injury Scale** 

(1) Minor injury

(2) Moderate injury (3) Serious injury

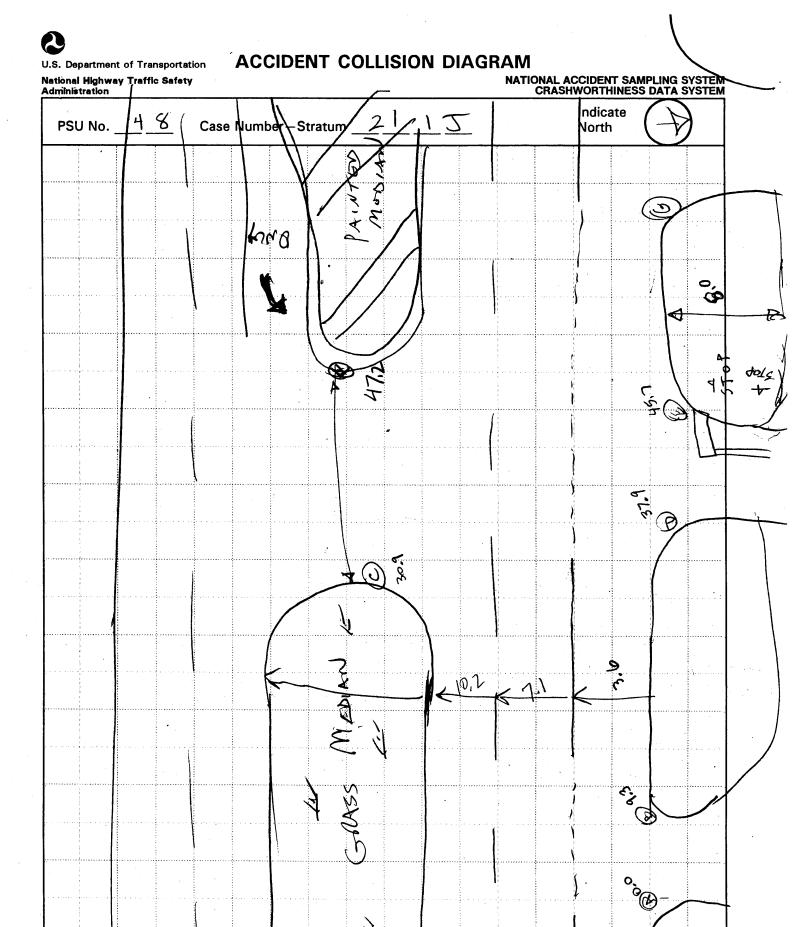
(4) Severe injury

(5) Critical injury

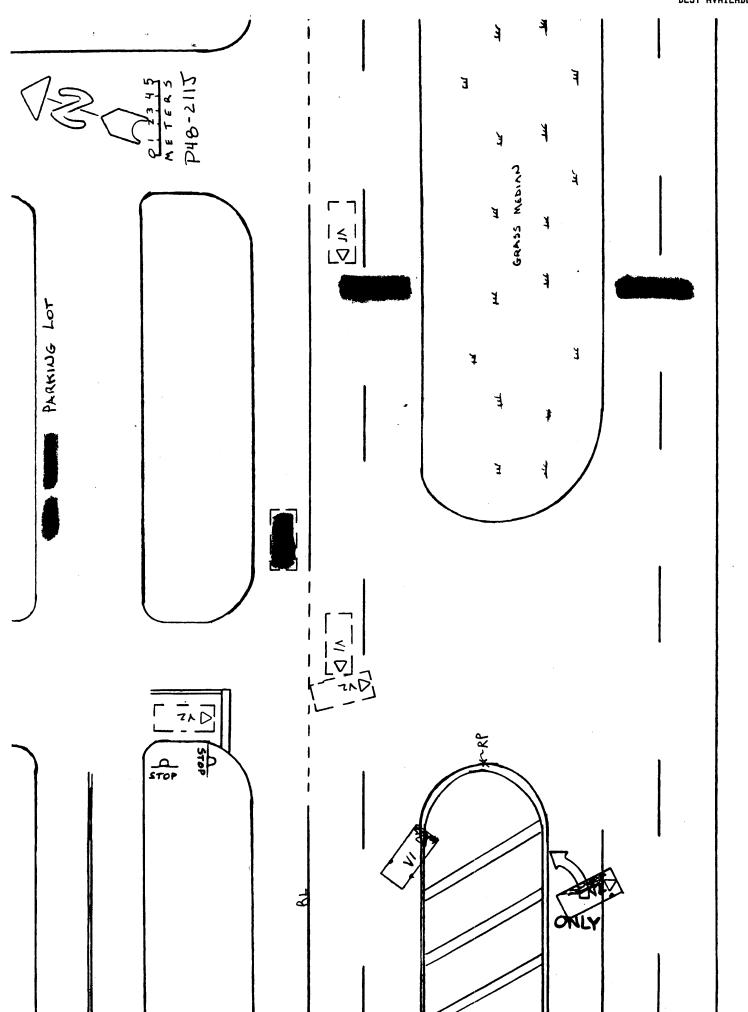
(6) Maximum (untreatable)

(7) Injured, unknown severity

#### DO NOT SANITIZE THIS FORM



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**ACCIDENT COLLISION** U.S. Department of Transportation NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM MEASUREMENT TABLE National Highway Traffic Safety Administration Primary Sampling Unit Number 4 8 Case Number – Stratum ACCIDENT COLLISION DIAGRAM **CRASH DATA** LEVEL I LEVEL II. (Cont'd) PHYSICAL EVIDENCE ABSENT physical evidence is present: VEH. #1 VEH. #2 VEH. #3 \* document reference point and reference To be accomplished when there is no line relative to physical features present physical evidence present at the scene: Heading Angle at the scene \* approximate vehicle orientation at impact scale documentation of all accident and final rest induced physical evidence Surface Type applicable road/roadway delineation (e.g., curbs/edge lines, lane markings, median \* scaled documentation of all roadside objects contacted markings, pavement markings, etc.) Surface Condition \* roadway surface type and condition of applicable traffic controls (e.g., speed applicable roadways limit) down grade measurements for all applicable Grade (v/h) \* north arrow placed on diagram roadways and at location of rollover Measurement (between impac initiation \* sketch required and final rest) scaled representations of the vehicle(s) at pre-impact, impact, and final rest based LEVEL II PHYSICAL EVIDENCE PRESENT Grade (v/h) upon either: Measurement (at location of In addition to the level I tasks noted above, a) physical evidence, or the following must be accomplished with rollover initiation) bi reconstructed accident dynamics Reference\_line: Reference Point: Distance and Direction Distance and Direction Item from Reference Point from Reference Line

FR POLICE MARKING LR #1	6.5	5.4
RR#1		6.8
RF#2	8.9	+0.7
? #2_	7.4	WHITE LINE

ltem	Distance and Direction from Reference Point	Distance and Direction from Reference Line
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U.S. Department of Transportation

National Highway Traffic Safety Administration

#### **ACCIDENT FORM**

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number 식 용	SPECIAL STUDIES - INDICATORS
2. Case Number - Stratum 2 1 5	Check (/) each special study (SS14-SS18 below) that has been completed; code 1 for the checked
IDENTIFICATION	special studies and 0 for the special studies not checked.
3. Number of General Vehicle Forms Submitted  2	6SS14 Fatal AOPS

4. Date of Accident (Month, Day, Year) 9 3

5. Time of Accident <u>1308</u>

Code reported military time of accident.

NOTE: Midnight = 2400 Unknown = 9999 

#### **NUMBER OF EVENTS**

11. Number of Recorded Events in This Accident

01

Code the number of events which occurred in this accident.

#### **ACCIDENT EVENTS**

For each event that occurred in the accident, code the lowest numbered vehicle in the left columns and the other involved vehicle or object on the right.

Accident Event Sequence Number	Vehicle Number	Class Of Vehicle	General Area of Damage	Vehicle Number or Object Contacted	Class Of Vehicle	General Area of Damage
12. <u>0</u> <u>1</u>	13. <u>O</u> l	14	15. <u>F</u>	16. <u>O Z</u>	17. <u>0</u> <u>3</u>	18. <u>L</u>
19. <u>0 2</u>	20	21	22	23	24	25
26. <u>0</u> <u>3</u>	27	28	29	30	31	32
33. <u>0 4</u>	34	35	36	37	38	39
40. <u>0</u> <u>5</u>	41	42	43	44	45	46

IF GREATER THAN FIVE EVENTS, CONTINUE CODING ON THE ACCIDENT EVENT SUPPLEMENT

# CODES FOR CLASS OF VEHICLE

- (00) Not a motor vehicle
- (01) Subcompact/mini (wheelbase < 254 cm)
- (02) Compact (wheelbase ≥ 254 but < 265 cm)
- (03) Intermediate (wheelbase ≥ 265 but < 278 cm)
- (04) Full size (wheelbase ≥ 278 but < 291 cm)
- (05) Largest (wheelbase ≥ 291 cm)
- (09) Unknown passenger car size
- (11) Compact utility vehicle
- (12) Large utility vehicle (≤ 4,500 kgs GVWR)
- (13) Passenger van (≤ 4,500 kgs GVWR)
- (14) Other van (≤ 4,500 kgs GVWR)
- (15) Pickup truck (≤ 4,500 kgs GVWR)
- (18) Other truck (≤ 4,500 kgs GVWR)
- (19) Unknown light truck type
- (20) School bus
- (21) Other bus
- (22) Truck (> 4,500 kgs GVWR)
- (23) Tractor without trailer
- (24) Tractor-trailer(s)
- (25) Motored cycle
- (28) Other vehicle
- (99) Unknown

# CODES FOR GENERAL AREA OF DAMAGE (GAD)

# CDS APPLICABLE AND OTHER VEHICLES

# TDC APPLICABLE VEHICLES

- (0) Not a motor vehicle
- (N) Noncollision
- (F) Front
- (R) Right side
- (L) Left side
- (B) Back
- (T) Top
- (U) Undercarriage
- (9) Unknown

- (0) Not a motor vehicle
- (N) Noncollision
- (F) Front
- (R) Right side
- (L) Left side
- (B) Back of unit with cargo area (rear of trailer or straight truck)
- (D) Back (rear of tractor)
- (C) Rear of cab
- (V) Front of cargo area
- (T) Top
- (U) Undercarriage
- (9) Unknown

#### CODES FOR VEHICLE NUMBER OR OBJECT CONTACTED

#### (01-30) - Vehicle Number

#### Noncollision

- (31) Overturn rollover
- (32) Fire or explosion
- (33) Jackknife
- (34) Other intraunit damage (specify):
- (35) Noncollision injury
- (38) Other noncollision (specify):
- (39) Noncollision details unknown

#### Collision With Fixed Object

- (41) Tree ( $\leq$  10 cm in diameter)
- (42) Tree (> 10 cm in diameter)
- (43) Shrubbery or bush
- (44) Embankment
- (45) Breakaway pole or post (any diameter)

#### Nonbreakaway Pole or Post

- (50) Pole or post (≤ 10 cm in diameter)
- (51) Pole or post (> 10 cm but ≤ 30 cm in diameter)
- (52) Pole or post (> 30 cm in diameter)
- (53) Pole or post (diameter unknown)
- (54) Concrete traffic barrier
- (55) Impact attenuator
- (56) Other traffic barrier (includes guardrail) (specify):

- (57) Fence
- (58) Wall
- (59) Building
- (60) Ditch or culvert
- (61) Ground
- (62) Fire hydrant
- (63) Curb
- (64) Bridge
- (68) Other fixed object (specify):
- (69) Unknown fixed object

#### Collision with Nonfixed Object

- (71) Motor vehicle not in-transport
- (72) Pedestrian
- (73) Cyclist or cycle
- (74) Other nonmotorist or conveyance
- (75) Vehicle occupant
- (76) Animal
- (77) Train
- (78) Trailer, disconnected in transport
- (88) Other nonfixed object (specify):
- (89) Unknown nonfixed object
- (98) Other event (specify):
- (99) Unknown event or object

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#### National Accident Sampling System-Crashworthiness Data System: General Vehicle Form

	OCCUPANT RELATED	24	Pelleur
16.	Driver Presence in Vehicle	<b>/</b> 4.	Rollover (no overturning)
	(0) Driver not present (1) Driver present		Rollover (primarily about the longitudinal axis)
	(9) Unknown		(1) Rollover, 1 quarter turn only
			(2) Rollover, 2 quarter turns (3) Rollover, 3 quarter turns
17. 	Number of Occupants This Vehicle O 2 (00-96) Code actual number of occupants for this vehicle		(4) Rollover, 4 or more quarter turns (specify):
	(97) 97 or more (99) Unknown		(5) Rolloverend-over-end (i.e., primarily
	2		about the lateral axis) (9) Rollover (overturn), details unknown
18.	Number of Occupant Forms Submitted <u>0</u> 2		
	VEHICLE WEIGHT ITEMS	1	OVERRIDE/UNDERRIDE (THIS VEHICLE)
19.	Vehicle Curb Weight	25.	Front Override/Underride (this Vehicle)
	10 kilograms. (045) Less than 450 kilograms	26.	Rear Override/Underride (this Vehicle)
·	(610) 6,100 kilograms or more (999) Unknown		(0) No override/underride, or
	2.253 lbs x .4536 = $1.022$ kgs		not an end-to-end impact
	Source:		Override (see specific CDC) (1) 1st CDC
			(2) 2nd CDC
20.	Vehicle Cargo Weight 0		(3) Other not automated CDC (specify):
	10 kilograms. (000) Less than 5 kilograms		Underride (see specific CDC)
	(450) 4,500 kilograms or more (999) Unknown		(4) 1st CDC (5) 2nd CDC
	,lbs X .4536 =,kgs		(6) Other not automated CDC (specify):
	RECONSTRUCTION DATA		(7) Medium/heavy truck or bus override
21.	Towed Trailing Unit		(9) Unknown
	(0) No towed unit (1) Yes—towed trailing unit		HEADING ANGLE AT IMPACT FOR
	(9) Unknown		HIGHEST DELTA V
22.	Documentation of Trajectory Data		Values: (000)-(359) Code actual value
	for This Vehicle (0) No		(997) Noncollision (998) Impact with object
	(1) Yes		(999) Unknown
23.	Post Collision Condition of Tree or Pole	27.	Heading Angle For This Vehicle $250$
	(For Highest Delta V) (0) Not collision (for highest delta V) with	28.	Heading Angle For Other Vehicle <u>197</u>
	tree or pole (1) Not damaged		7
	(2) Cracked/sheared (3) Tilted <45 degrees	ļ	,
-	(4) Tilted ≥45 degrees (5) Uprooted tree		
	(6) Separated pole from base (7) Pole replaced		
	(8) Other (specify):		
Į.	(9) Unknown	İ	

National Accident Sampling System-Crashworthiness Data System: General Vehicle Form

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OTHER DATA	61. Rollover Initiation Object Contacted Q_O
(00000) Driver not present (00001) Driver not a resident of U.S. or territories Code actual 5-digit zip code (99999) Unknown	62. Location on Vehicle Where Initial Principal Tripping Force Is Applied  (0) No rollover (1) Wheels/tires (2) Side plane (3) End plane
(0) Driver not present (1) White (non-Hispanic) (2) Black (non-Hispanic) (3) White (Hispanic) (4) Black (Hispanic) (5) American Indian, Eskimo or Aleut (6) Asian or Pacific Islander (8) Other (specify):	(4) Undercarriage (5) Other location on vehicle (specify):  (8) Non-contact rollover forces (specify):  (9) Unknown  63. Direction of Initial Roll  (0) No rollover (1) Roll right - primarily about the longitudinal axis
58. Vehicle Special Use (This Trip) (0) No special use (1) Taxi (2) Vehicle used as school bus (3) Vehicle used as other bus (4) Military (5) Police (6) Ambulance (7) Fire truck or car	<ul> <li>(2) Roll left - primarily about the longitudinal axis</li> <li>(5) End-over-end (i.e., primarily about the lateral axis)</li> <li>(9) Unknown roll direction</li> </ul> PRECRASH DATA
(8) Other (specify):(9) Unknown	64. Pre-Event Movement (Prior to Care Recognition of Critical Event)
ROLLOVER DATA  If GV07 (Body Type) ≠ 1-49, leave GV59-GV63 blank.  If GV24 (Rollover) = 0, then GV59-GV63 must equal 0.  If GV24 = 9, then GV59-GV63 must equal 9.	(01) Going straight (02) Slowing or stopping in traffic lane (03) Starting in traffic lane (04) Stopped in traffic lane (05) Passing or overtaking another vehicle (06) Disabled or parked in travel lane
59. Rollover Initiation Type  (0) No rollover  (1) Trip-over (2) Flip-over (3) Turn-over (4) Climb-over (5) Fall-over (6) Bounce-over (7) Collision with another vehicle (8) Other rollover initiation type specify):  (9) Unknown rollover initiation type	<ul> <li>(07) Leaving a parking position</li> <li>(08) Entering a parking position</li> <li>(09) Turning right</li> <li>(10) Turning left</li> <li>(11) Making a U-turn</li> <li>(12) Backing up (other than for parking position)</li> <li>(13) Negotiating a curve</li> <li>(14) Changing lanes</li> <li>(15) Merging</li> <li>(16) Successful avoidance maneuver to a previous critical event</li> <li>(97) Other (specify):</li> </ul>
60. Location of Rollover Initiation  (0) No rollover (1) On roadway (2) On shoulder—paved (3) On shoulder—unpaved (4) On roadside or divided trafficway median (9) Unknown	(98) No driver present (99) Unknown

#### CODES FOR ROLLOVER INITIATION OBJECT CONTACTED

(00) No rollover (01-30) — Vehicle Number

#### Noncollision

- (31) Turn-over fall-over
- (33) Jackknife

#### Collision With Fixed Object

- (41) Tree (≤ 10 cm in diameter)
- (42) Tree (> 10 cm in diameter)
- (43) Shrubbery or bush
- (44) Embankment
- (45) Breakaway pole or post (any diameter)

#### Nonbreakaway Pole or Post

- (50) Pole or post ( $\leq$  10 cm in diameter)
- (51) Pole or post (> 10 cm but ≤ 30 cm in diameter)
- (52) Pole or post (> 30 cm in diameter)
- (53) Pole or post (diameter unknown)
- (54) Concrete traffic barrier
- (55) Impact attenuator
- (56) Other traffic barrier (includes guardrail) (specify):

- (57) Fence
- (58) Wall
- (59) Building
- (60) Ditch or culvert
- (61) Ground
- (62) Fire hydrant
- (63) Curb
- (64) Bridge
- (68) Other fixed object (specify):
- (69) Unknown fixed object

#### Collision with Nonfixed Object

- (71) Motor vehicle not in-transport
- (76) Animal
- (77) Train
- (78) Trailer, disconnected in transport
- (88) Other nonfixed object (specify):
- (89) Unknown nonfixed object
- (98) Other event (specify):
- (99) Unknown event or object



U.S. Department of Transportation

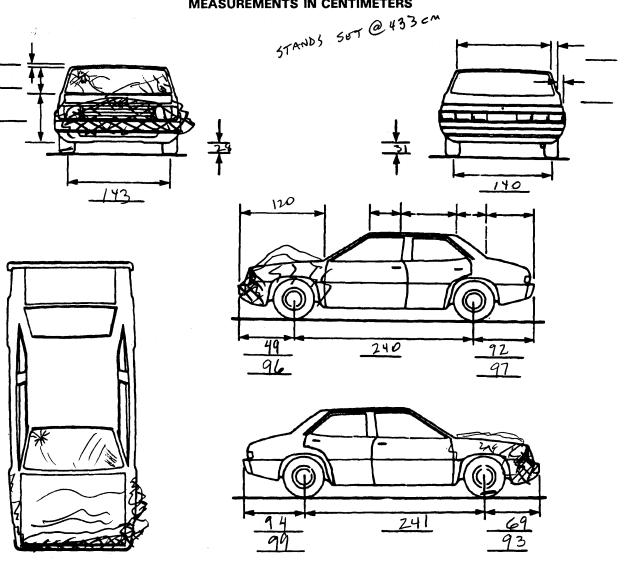
National Highwa Administration	y Traffic Safety	EX.	TERIOR	VEHIC	LE FO	ORM	NAT			SS DATA	
1. Primary	/ Sampling Unit Nur	mber	48	_ 3.	Vehicle	Numbe	r			P	1
2. Case N	umber - Stratum										
		\	/EHICLE I	DENTIF	ICATI	ON					
VIN J	T2AE	1 1 A	8 N	Ø					Model Y	ear <u>9</u>	2
Vehicle Mal	ke (specify):	TOYO	TA		/ehicle I	Model (s	pecify):		ollor	13	·
			LC	CATO	R						
	end of the damage maged axle for side		t to the veh	icle long	itudinal	center l	ine or b	umper c	orner fo	r end im	pacts
	npact No.		of Direct Da	amage			Lo	cation o	f Field I	_	
)	ENT	ire F	FRONT			E	17,65	FR	TLO		
							• •				
		CRUS	SH PROFI	LE IN C	ENTIN	/IETER	S				
sill, etc.) and label adjustments (e.g., free space).  Measure and document on the vehicle diagram the location of maximum crush.  Measure C1 to C6 from driver to passenger side in front or rear impacts and rear to front in side impacts.  Free space value is defined as the distance between the baseline and the original body contour taken at the individual C locations. This may include the following: bumper lead, bumper taper, side protrusion, side taper, etc. Record the value for each C-measurement and maximum crush.											
	Jse as many lines/c										
Specific	Plane of Impact	Direct D		Field					_		_
Impact Number	C-Measurements	Width (CDC)	Max Crush	L	C <sub>1</sub>	C <sub>2</sub>	C₃	C₄	C <sub>5</sub>	C <sub>8</sub>	±D
1	BUMPER	153	CI	153	54		(3)	25	22	25"	0
	FREE SPACE				9	6	3	3	5	9	
	FINAL		45		45	33	29	22	16	16	
				<u> </u>							
				<u> </u>						<u> </u>	
				1							

# ORIGINAL SPECIFICATIONS WORK SHEET

Wheelbase	✓ 95.7	inches	x 2.54	=	2 4 3 cm
Overall Length	170.3				433 cm
Maximum Width	V 65.2	inches	x 2.54	=	
Curb Weight	12253	pounds	x .4536	=	
Average Track	156.3/55.31	inches	x 2.54	=	143/140cm
Front Overhang		inches	x 2.54	=	cm
Rear Overhang		inches	x 2.54	=	cm
Undeformed End Wie	dth	inches	x 2.54	=	
Engine Size: cyl.,	/displ	сс	x .001	=	L
		CID	x .0164	=	1.6 1

#### VEHICLE DAMAGE SKETCH WHEEL STEER ANGLES **ORIGINAL SPECIFICATIONS** TIRE-WHEEL DAMAGE (For locked front wheels or a. Rotation physically b. Tire 243 restricted deflated Wheelbase cm displaced rear axles only) RF 20 0 8 45 **Overall Length** cm LF \$0 /00 V RR ± \_00 0 Maximum Width LF cm 1022 Curb Weight kg Within ± 5 degrees 142 Average Track cm (1) Yes (2) No (8) NA (9) Unk. **DRIVE WHEELS** 87 Front Overhang cm 103 cm ZÍFWD □ RWD □ 4WD Rear Overhang TYPE OF TRANSMISSION 153 Undeformed End Width cm **Approximate** Cargo Weight ☐ Manual Automatic Engine Size: cyl./displ. \_

#### **MEASUREMENTS IN CENTIMETERS**



NOTES: Sketch new perimeter and cross hatch direct damage and single hatch induced damage on all views. Annotate observations which might be useful in reconstructing the accident (e.g., grass in tire bead, direction of striations, scuff on sidewalls, etc.). If pulling trailer, sketch type of trailer and damage received on the back of this page.

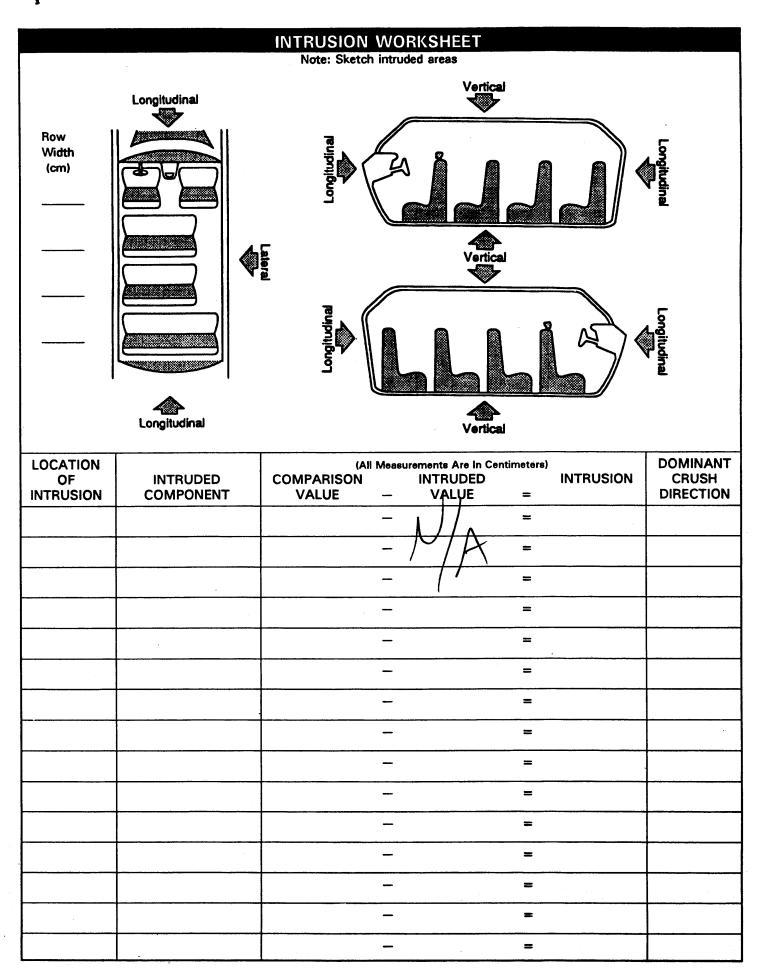
Annotate any damage caused by extrication such as component removal by torching, prying, or hydraulic shears.

			CDC V	VURKSHE				
		C	ODES FOR O	BJECT CON	TACTED			
(01-30)	- Vehicle Nui	mber		(57	7) Fence			
				3) Wall				
Noncolli				Building				
	Overturn — ro				D) Ditch or	culvert		
	Fire or explosi Jackknife	on			1) Ground 2) Fire hydr	ant		
		t damage (specif	w).		3) Curb	ant		
(07)	Other intradim	t damage (specif	<b>y</b> / ·		4) Bridge			
(35)	Noncollision in	njury				ed object (s	specify):	
(38)	Other noncolli	sion (specify):		(6)	9) Unknow	n fixed obje	ct	
(39)	Noncollision -	- details unknow	/n		,	•		
						nfixed Obje		
	n With Fixed O					ehicle not in	-transport	-
	Tree (≤ 10 cr				2) Pedestria			
	Tree (> 10 cr Shrubbery or				3) Cyclist o		or conveyanc	۰۵
	Embankment	busii		().	+) Other no	minotorist o	n conveyanc	
, ,	220			(7	5) Vehicle	occupant		
(45)	Breakaway po	le or post (any o	liameter)	•	6) Animal	-		
					7) Train			
	akaway Pole o						d in transpor	t
		≤ 10 cm in diam		(8	8) Other no	ontixea obje	ct (specify):	
(51)	diameter)	> 10 cm but ≤	30 cm in	18	9) Unknow	n nonfixed o	object	
(52)		> 30 cm in dian	neter)	(0	<i>o, o</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		00,000	
(53) Pole or post (diameter unknown)			(9	8) Other ev	ent (specify	<b>/</b> ):		
• - •	Concrete traff			(9	9) Unknow	n event or c	object	<del></del>
	Impact attenu		adaa:I\					
(56)	(specify):	parrier (includes (	guardraii)					
	(3)2011 7/1		······································	<del>-</del>				
		DEFORMAT	TION CLASS	IFICATION E	BY EVENT N	UMBER		
		44.40			(4)	(5)	/e\	
Accident Event		(1) (2) Direction	Incremental	(3)	Specific Longitudinal	Specific Vertical or	(6) Type of	(7)
Sequence	Object	of Force	Value of	Deformation	or Lateral	Laterai	Damage	Deformation
Number	Contacted	(degrees)	Shift	Location	Location	Location	Distribution	Extent
$\sim$ 1	02	+ 2 .0	0.0	F	D	E	W	02
0 1		+20	00	1	<u> </u>	<u> </u>		
							-	
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#### INTERIOR VEHICLE FORM

NATIONAL ACCIDENT SAMPLING SYSTEM

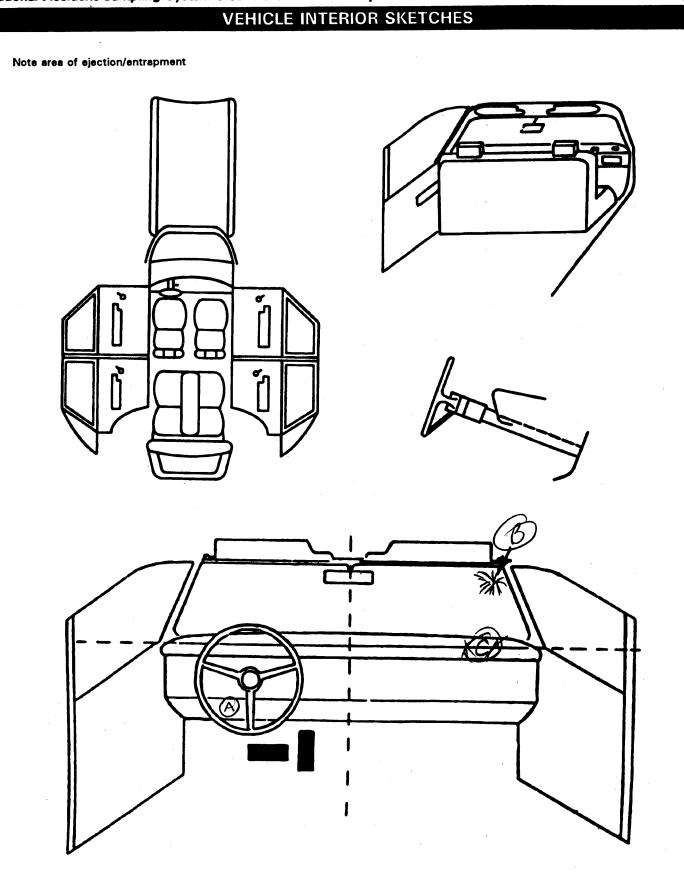
Administration INTENION	CRASHWORTHINESS DATA SYSTE
1. Primary Sampling Unit Number	GLAZING
	Glazing Damage from Impact Forces
2. Case Number - Stratum 2 1	15. WS <u>2</u> 16. LF <u>0</u> 17. RF <u>0</u> 18. LR <u>0</u> 19. RR <u>0</u>
3. Vehicle Number	20. BL <u> </u>
INTEGRITY	(O) No planing demand from improve forces
4. Passenger Compartment Integrity (00) No integrity loss	(0) No glazing damage from impact forces (2) Glazing in place and cracked from impact forces (3) Glazing in place and holed from impact forces (4) Glazing out-of-place (cracked or not) and not holed from impact forces
Yes, Integrity Was Lost Through (01) Windshield (02) Door (side) (03) Door/hatch (back door)	<ul> <li>(5) Glazing out-of-place and holed from impact forces</li> <li>(6) Glazing disintegrated from impact forces</li> <li>(7) Glazing removed prior to accident</li> <li>(8) No glazing</li> </ul>
(O4) Roof (O5) Roof glass	(9) Unknown if damaged
(06) Side window (07) Rear window (backlight)	Glazing Damage from Occupant Contact
(O8) Roof and roof glass (O9) Windshield and door (side)	23. WS <u>2</u> 24. LF <u>0</u> 25. RF <u>0</u> 26. LR <u>0</u> 27. RR <u>0</u>
(10) Windshield and roof (11) Side and rear window (side window and backlight)	28. BL <u>O</u> 29. Roof <u>O</u> 30. Other <u>O</u>
<ul><li>(12) Windshield and side window</li><li>(13) Door and side window</li><li>(98) Other combination of above (specify):</li></ul>	<ul> <li>(0) No occupant contact to glazing or no glazing</li> <li>(1) Glazing contacted by occupant but no glazing damage</li> <li>(2) Glazing in place and cracked by occupant contact</li> </ul>
(99) Unknown	<ul> <li>(3) Glazing in place and holed by occupant contact</li> <li>(4) Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact</li> <li>(5) Glazing out-of-place by occupant contact and holed by</li> </ul>
Door, Tailgate or Hatch Opening	occupant contact (6) Glazing disintegrated by occupant contact
5. LF   6. RF   7. LR   8. RR   9. TG/H	(9) Unknown if contacted by occupant  If No Glazing Damage And No Occupant Contact or No
(0) No door/gate/hatch (1) Door/gate/hatch remained closed and operational	Glazing, Then Code IV31 Through IV46 As Ø
<ul><li>(2) Door/gate/hatch came open during collision</li><li>(3) Door/gate/hatch jammed shut</li></ul>	Type of Window/Windshield Glazing
(8) Other (specify):	31. WS   32. LF @ 33. RF @ 34. LR @ 35. RR @
(9) Unknown	36. BL <i>O</i> 37. Roof <i>O</i> 38. Other <i>O</i>
Damage/Failure Associated with Door, Tailgate or Ha Opening in Collision. If IV05-IV09 ≠ 2, Then code	(0) No glazing contact and no damage, or no glazing
10. LF <u>O</u> 11. RF <u>O</u> 12. LR <u>O</u> 13. RR <u>O</u> 14. TG/H	(4) AS-14 — Glass/Plastic (8) Other (specify):
(O) No door/gate/hatch or door not opened	(9) Unknown
Door, Tailgate or Hatch Came Open During Collision (1) Door operational (no damage)	Window Precrash Glazing Status
(2) Latch/etriker failure due to damage	
<ul><li>(3) Hinge failure due to damage</li><li>(4) Door structure failure due to damage</li></ul>	39. WS <u>l</u> 40. LF <u>Q</u> 41. RF <u>Q</u> 42. LR <u>Q</u> 43. RR <u>Q</u>
(5) Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage	44. BL <u>O</u> 45. Roof <u>O</u> 46. Other <u>O</u>
(6) Latch/etriker and hinge failure due to damage (8) Other failure (specify):	(0) No glazing contact and no damage, or no glazing (1) Fixed (2) Closed
(9) Unknown	(3) Partially opened (4) Fully opened (9) Unknown



ational	Accident Sar	mpling Syste			REA-INTRUSION
Note:	If no intrusion	ns, leave varie	ibles IV47-IV	86 blank.	INTRUDING COMPONENT
	Location of	Intruding Component	Magnitude of Intrusion	Dominant Crush Direction	Interior Components (01) Steering assembly (02) Instrument panel left
1st	47	48	49	50	(03) Instrument panel center (04) Instrument panel right (05) Toe pan (06) A (A1/A2)-pillar
2nd	51	_ 52	53	54	(07) B-pillar (08) C-pillar (09) D-pillar (10) Door panel (side) (12) Roof (or convertible top)
3rd	55	_ 56	57	58	(13) Roof side rail (14) Windshield (15) Windshield header (16) Window frame
4th	59	_ 60	61	62	(17) Floor pan (includes sill) (18) Backlight header (19) Front seat back (20) Second seat back
5th	63	_ 64	65	66	(21) Third seat back (22) Fourth seat back (23) Fifth seat back (24) Seat cushion
6th	67	_ 68	69	70	(25) Back door/panel (e.g., tailgate) (26) Other interior component (specify):  (27) Side panel - forward of the A (A2)-pillar
_ 7th	71	_ 72	73	74	(28) Side panel - rear of the A (A2)-pillar  Exterior Components
8th	75	_ 76	77	78	(30) Hood (31) Outside surface of this vehicle (specify):  (32) Other exterior object in the environment
9th	79	80	81	82	(specify):  (33) Unknown exterior object (97) Catastrophic (98) Intrusion of unlisted component(s) (specify):
10th	83	84	85	86	
Fr Se	ATION OF INT ont Seat (11) Left (12) Middle (13) Right econd Seat (21) Left (22) Middle	Fourt (41 (42 (43	h Seat ) Left !) Middle !) Right !) Catastrop 3) Other end area (spec	losed	MAGNITUDE OF INTRUSION  (1) ≥ 3 centimeters but < 8 centimeters  (2) ≥ 8 centimeters but < 15 centimeters  (3) ≥ 15 centimeters but < 30 centimeters  (4) ≥ 30 centimeters but < 46 centimeters  (5) ≥ 46 centimeters but < 61 centimeters  (6) ≥ 61 centimeters  (7) Catastrophic  (9) Unknown
	(23) Right hird Seat (31) Left (32) Middle (33) Right	(9\$	)) Unknown		DOMINANT CRUSH DIRECTION  (1) Vertical  (2) Longitudinal  (3) Lateral  (7) Catastrophic  (9) Unknown

	(All III	Assurements Are in Centimet	ers)	
COMPARISON VALUE		DAMAGE VALUE	=	DEFORMATION
	<del>-</del>	, ) /	=	
		$N/\Lambda$	=	
		/ /	=	
	_		=	<u> </u>
•				
		•		
-				

STEERING COLUMN	,	93. Location of Steering Rim/Spoke
87. Steering Column Type (1) Fixed column (2) Tilt column (3) Telescoping column (4) Tilt and telescoping column (8) Other column type (specify):		(00) No steering rim deformation  Ouarter Sections (01) Section A (02) Section B (03) Section C (04) Section D
(5) OHAHOWH		Half Sections (05) Upper half of rim/spoke (06) Lower half of rim/spoke (07) Left half of rim/spoke  Upper Lower  Lower
88. Blank (This variable is left blank so that numbering consistency can be maintained with the 1988-93 CDS.	XX	(08) Right half of rim/spoke  (09) Complete steering wheel collapse (10) Undetermined location (99) Unknown
		INSTRUMENT PANEL
89. Blank (This variable is left blank so that numbering consistency can be maintained with the 1988-93 CDS.	<u> </u>	kilometers—Code to the nearest 1,000 kilometers (000) No odometer (001) Less than 1,500 kilometers (500) 499,500 kilometers or more (999) Unknown
90. Blank (This variable is left blank so that numbering consistency can be maintained with the 1988-93 CDS.	XXX	
91. Blank (This variable is left blank so that numbering consistency can be maintained with the 1988-93 CDS.	<u>x x x</u>	95. Instrument Panel Damage from Occupant Contact? (0) No (1) Yes (9) Unknown
92. Steering Rim/Spoke Deformation  Code actual measured deformation to the nearest centimeter (00) No steering rim deformation (01-14) Actual measured value in centim	_0_0	96. Knee Bolsters Deformed from Occupant Contact? (0) No (1) Yes (8) Not present (9) Unknown
(15) 15 centimeters or more (98) Observed deformation cannot be m (99) Unknown		97. Did Glove Compartment Door Open During Collision(s)? (0) No (1) Yes (8) Not present (9) Unknown



Sketch windshield contact(s) and the damaged area(s) on the instrument panel outline (e.g., radio, glove compartment, damage to instrument panel structure.

Cross hatch contact points, draw spider webs or use other annotation as may be appropriate.

Annotate the contacted area with a letter (begin with A) and list on the Points of Occupant Contact page.

tional Acci	dent Sampling				ta System: Interior \		om	Page
Contact	Interior Component Contacted	Occupant No. If Known	R	Body egion If nown	UPANT CONTA		vidence	Confidenc Level of Contact Point
Α	DAGH	1	K	NOF	Scuff			2
В	W, 5	2		CAS	Chex -	- I+A1.	R	1
С	DASH	2		2	Seuff			1
D	D							
E								
F					· · · · · · · · · · · · · · · · · · ·			
G								
H								
1								
J								
K								
L								
M								
N								
• •	r isor ing wheel rim		(23) (24) (25)	Left B-pillar Other left pi Left side wi Left side wi	RIOR COMPONENTS  illar (specify):  ndow glass or frame ndow glass including	(46) (47) (48)	Other occupants (s Interior loose object Child safety seat (s) Other interior object	ts specify):
(06) Steer of co (07) Steer select (08) Add	ing wheel hub/spol ing wheel (combine des 04 and 05) ing column, trensm tor lever, other atte on equipment (e.g.,	ation nission achment	frame, win B-pillar, or		o of the following: low sill, A (A1/A2)-pillar, oof side rail. ide object (specify): ndow sill	ROOF (50) (51)	Front header Rear header Roof left side rail	or (epooliy).
(09) Left i (10) Cento	, air conditioner) netrument panel ar er instrument panel : instrument panel a	and below		HT SIDE  30) Right side interior surface, excluding hardware or armrests		(53)	Roof right side rail Roof or convertible	top

- excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A (A1/A2)-pillar
- (33) Right B-pillar
- (34) Other right pillar (specify):
- (35) Right side window glass or frame
- Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B pillar, or roof side rail.
- (37) Other right side object (specify):
- (38) Right side window sill

#### INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar attachment point
- Other restraint system component (specify):
- (44) Head restraint system
- (45) Air bag (use codes "16" and "17" for injuries sustained from air bag compartment covers)

#### (60) **Backlight (rear window)**

console

brake

**FLOOR** 

REAR

(56) Floor (including toe pan)

(58) Parking brake handle

(57) Floor or console mounted

(61) Backlight storage rack, door, etc.

transmission lever, including

(59) Foot controls including parking

(62) Other rear object (specify):

#### CONFIDENCE LEVEL OF **CONTACT POINT**

- (1) Certain
- (2) Probable
- (3) Possible
- (9) Unknown

#### LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest

(12) Glove compartment door

(14) Windshield including one or more

(15) Windshield including one or more

mirror (passenger side only)

(16) Driver side air bag compartment

(18) Windshield reinforced by exterior

(17) Passenger side air bag compartment cover

object (specify):

(19) Other front object (specify):

of the following: front header,

of the following: front header,

A (A1/A2)-pillar, instrument panel,

mirror, or steering assembly (driver

A (A1/A2)-pillar, instrument panel, or

(13) Knee bolster

side only)

COVER

(22) Left A (A1/A2)-pillar

#### **AUTOMATIC RESTRAINTS**

NOTES: Encode the data for each applicable front seat position. The attribute for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

#### **AIR BAGS**

		Left	Right
F	Availability/Function	0	0
R	Deployment		
S	Failure		

#### Air Bag System Availability/Function

- (O) Not equipped/not available
- (1) Air bag

#### Non-functional

- (2) Air bag disconnected (specify):
- (3) Air bag not reinstalled
- (9) Unknown

#### Air Bag System Deployment

- (0) Not equipped/not available
- (1) Air bag deployed during accident (as a result of impact)
- (2) Air bag deployed inadvertently just prior to accident
- (3) Air bag deployed, accident sequence undetermined
- (4) Nondeployed
- (5) Unknown if deployed
- (6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)
- (9) Unknown

#### Did Air Bag System Fail?

- (0) Not equipped/not svailable
- (1) No
- (2) Yes (specify):
- (9) Unknown

#### **AUTOMATIC BELTS**

		Left	Right
	Availability/Function	1	. 1
F	Use	1	2
Ŕ	Туре	2	2
S T	Proper Use	1	0
	Failure Modes		0

# Automatic (Passive) Belt System Availability/Function

- (0) Not equipped/not available
- (1) 2 point automatic belts
- (2) 3 point automatic belts
- (3) Automatic belts type unknown

#### Non-functional

- (4) Automatic belts destroyed or rendered inoperative
- (9) Unknown

#### Automatic (Passive) Belt System Use

- (0) Not equipped/not available/destroyed or rendered inoperative
- (1) Automatic belt in use
- (2) Automatic belt not in use (manually disconnected, motorized track inoperative)
- (3) Automatic belt use unknown
- (9) Unknown

#### Automatic (Passive) Belt System Type

- (0) Not equipped/not available
- (1) Non-motorized system
- (2) Motorized system .
- (9) Unknown

## Proper Use of Automatic (Passive) Belt System

- (0) Not equipped/not available/not used
- (1) Automatic belt used properly
- (2) Automatic belt used properly with child safety seat

#### Automatic Belt Used Improperly

- (3) Automatic shoulder belt worn under
- (4) Automatic shoulder belt worn behind back
- (5) Automatic belt worn around more than one person
- (6) Lap portion of automatic belt worn on abdomen
- (7) Automatic lap and shoulder belt or automatic shoulder belt used improperly with child safety seat (specify):
- (8) Other improper use of automatic belt system (specify):
- (9) Unknown

#### Automatic (Passive) Belt Failure Modes During Accident

- (0) Not equipped/not available/not in use
- (1) No automatic belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify):
- (6) Broken retractor
- (7) Combination of above (specify):
- (8) Other automatic belt failure (specify):
- (9) Unknown

#### MANUAL RESTRAINTS

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for the variable may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Ocupant Assessment Form.

If a Child safety seat is present, encode the data on the back of this page.

If the vehicle has automatic restraints available, encode the appropriate data on the back of the previous page.

	pu <b>go</b> .	Left	Center	Right
F	Availability	3	0	3
R	Use	03 sone	0/0	00 (som E)
S	Failure Modes		0	0
Ş	Availability	4	3	4
SECOND	Use	00	00	00
Ň	Failure Modes	O	0	0
Ţ	Availability			
H	Use			
R	Failure Modes			
Q	Availability			
ЬĤ	Use			
E R	Failure Modes			

Menuel	(Active)	<b>Relt System</b>	Availahility

- (0) None available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available type unknown

#### Integral Belt Partially Destroyed

- (6) Shoulder belt (lap belt destroyed/removed)
- (7) Lap belt (shoulder belt destroyed/removed)
- (8) Other belt (specify):
- (9) Unknown

#### Manual (Active) Belt System Use

- (00) None used, not available, or belt removed/destroyed
- (01) Inoperable (specify):
- (02) Shoulder belt
- (03) Lap belt
- (04) Lap and shoulder belt
- (05) Belt used type unknown

- (08) Other belt used (specify):
- (12) Shoulder belt used with child safety seat
- (13) Lap belt used with child safety seat
- (14) Lap and shoulder belt used with child safety seat
- (15) Belt used with child safety seat type unknown
- (18) Other belt used with child safety seat (specify):
- (99) Unknown if belt used

#### Manual (Active) Belt Failure Modes During Accident

- (0) No manual belt used or not available
- (1) No manual belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify):
- (6) Broken retractor
- (7) Combination of above (specify):
- (8) Other manual belt failure (specify):
- (9) Unknown

Occ			ı				
	supant Number		Ш				
1.	Type of Child Safety Seat			/1			
2.	Child Safety Seat Orientation						
	Child Safety Seat Harness Usage		1)				
4.	Child Safety Seat Shield Uasge						
5.	Child Safety Seat Tether Usage			٠.			
6.	Child Safety Seat Make/Model	Specif	y Be	low for E	ach Child Safe	ty Seat	
1.	Type of Child Safety Seat		3.	Child Sat	ety Seat Harn	ess Usage	
	(O) No child safety seat		4.	Child Saf	ety Seat Shiel	d Usage	
	(1) Infant seat (2) Toddler seat		••	00			
	(3) Convertible seat	<ol><li>Child Safety Seat Tether Usage Note: Options Below Are Used for Variab</li></ol>					
	(4) Booster seat						oles 3-5.
	(7) Other type child safety seat (specify):			(00) No	child safety se	eat	
	(8) Unknown child safety seat type (9) Unknown if child safety seat used			(01) Aft		ness/Shield/Tether ness/shield/tether	Τ,
2.	Child Safety Seat Orientation (00) No child safety seat	(02) After market harness/shiek (03) Child safety seat used, but					
	Designed for Rear Facing for This Age/Weight			(09) Unl	ness/shield/tet known if harne led or used	her added ess/shield/tether	
	(01) Rear facing						
	(02) Forward facing (08) Other orientation (specify):				I With Harness ness/shield/te	s/Shield/Tether	
	(00) Other orientation (specify).			•	ness/shield/te		
	(09) Unknown orientation					ess/shield/tether us	sed
	Designed for Forward Facing for This Age/Weight				n If Designed \ rness/shield/te	With Harness/Shie	ld/Tethe
	(11) Rear facing				rness/shield/te		
	(12) Forward facing (18) Other orientation (specify):			(29) Uni	known if harne	ess/shield/tether us	sed
				(99) Uni	known if child	safety seat used	
	(19) Unknown orientation		_				
	Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight		о.		fety Seat Make make/model a	nd occupant numi	ber)
	(21) Rear facing (22) Forward facing						
	(28) Other orientation (specify):						
	· ·						

#### HEAD RESTRAINTS/SEAT EVALUATION

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for these variables may be found at the bottom of the page. Head restraint type/damage and seat type/performance should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

		Left	Center	Right
F !	Head Restraint Type/Damage	3	0	3
	Seat Type	01	00	01
R S	Seat Performance	1	0	
Т	Seat Orientation	1	0	1
S	Head Restraint Type/Damage .	0	0	0
E	Seat Type	03	03	03
O N	Seat Performance		1	1
D	Seat Orientation			1
Т	Head Restraint Type/Damage			
H	Seat Type			
R	Seat Performance			
D	Seat Orientation			
0	Head Restraint Type/Damage			
T	Seat Type			
H	Seat Performance			
R	Seat Orientation			

#### Head Restraint Type/Damage by Occupant at This Occupant Position

- No head restraints
- Integral no damage (1)
- Integral damaged during accident
- (3)
- Adjustable no damage Adjustable damaged during accident (4)
- (5)
- Add-on no damage Add-on damaged during accident (6)
- (8) Other Specify):
- Unknown

#### Seat Type (this Occupant Position)

- Occupant not seated or no seat
- **Bucket** (01)
- (02)Bucket with folding back
- (03) Bench
- (04) Bench with separate back cushions
- (05) Bench with folding back(s)
- (06) Split bench with separate back cushions
- (07) Split bench with folding back(s)
- (08) Pedestal (i.e., column supported)
- (09) Other seat type (specify):
- (10) Box mounted seat (i.e., van type)
- (99) Unknown

#### Seat Performance (this Occupant Position)

- (0) Occupant not seated or no seat
- (1) No seat performance failure(s)
- Seat adjusters failed
- (3) Seat back folding locks or "seat back" failed specify:
- Seat tracks/anchors failed
- (5) Deformed by impact of occupant
- (6) Deformed by passenger compartment intrusion (specify):
- (7) Combination of above (specify):
- (8) Other (specify):
- (9) Unknown

#### Seat Orientation (this Occupant Position)

- (0) Occupant not seated or no seat
- (1) Forward facing seat
- (2) Rear facing seat
- (3) Side facing seat (inward)
- (4) Side facing seat (outward)
- (8) Other (specify):
- (9) Unknown

#### DESCRIBE ANY INDICATION OF ABNORMAL OCCUPANT POSTURE (I.E., UNUSUAL OCCUPANT **CONTACT PATTERN)** 100 É

JECTION No 1 Yes [ Describe indications of ejection and		volved in part	ial ejection	(s):		
Occupant Number						
Ejection						
(Note on Vehicle Interior Sketch) Ejection Area						
Ejection Medium						
Medium Status						
jection (1) Complete ejection (1) Partial ejection (3) Ejection, Unknown degree (9) Unknown  jection Area (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear	(7) Roof (8) Other area (e.g., back of pickup, etc.) (specify):  (9) Unknown  Ejection Medium (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify):		(5) Integral structure (8) Other medium (specify):  (9) Unknown  Medium Status (Immediately Prito Impact) (1) Open (2) Closed (3) Integral structure (9) Unknown			
NO [ Yeseribe entrapment mechanism: _	s[]					
Component(s):				· · · · · · · · · · · · · · · · · · ·		

#### National Accident Sampling System-Crashworthiness Data System: Occupant Assessment Form

HEAD RESTRAINT AND	D SEAT EVALUATION
25. Head Restraint Type/Damage by Occupant at This Occupant Position (0) No head restraints (1) Integral—no damage (2) Integral—damaged during accident (3) Adjustable—no damage (4) Adjustable—damaged during accident (5) Add-on—no damage (6) Add-on—damaged during accident (8) Other (specify):	27. Seat Performance (this Occupant Position) (0) Occupant not seated or no seat (1) No seat performance failure(s) (2) Seat adjusters failed (3) Seat back folding locks or "seat back" failed (4) Seat track/anchors failed (5) Deformed by impact of occupant (6) Deformed by passenger compartment intrusion (specify):  (7) Combination of above (specify):
26. Seat Type (this Occupant Position) (00) Occupant not seated or no seat (01) Bucket (02) Bucket with folding back (03) Bench (04) Bench with separate back cushions (05) Bench with folding back(s) (06) Split bench with separate back cushions (07) Split bench with folding back(s) (08) Pedestal (i.e., column supported) (09) Other seat type (specify):  (10) Box mounted seat (i.e., van type) (99) Unknown	(9) Unknown

Administration

Form Approved O.M.B. No. 2127-0021

U.S. Department of Transportation National Highway Traffic Safety

# **OCCUPANT INJURY FORM**

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

3. Vehicle Number

4. Occupant Number

2. Case Number - Stratum

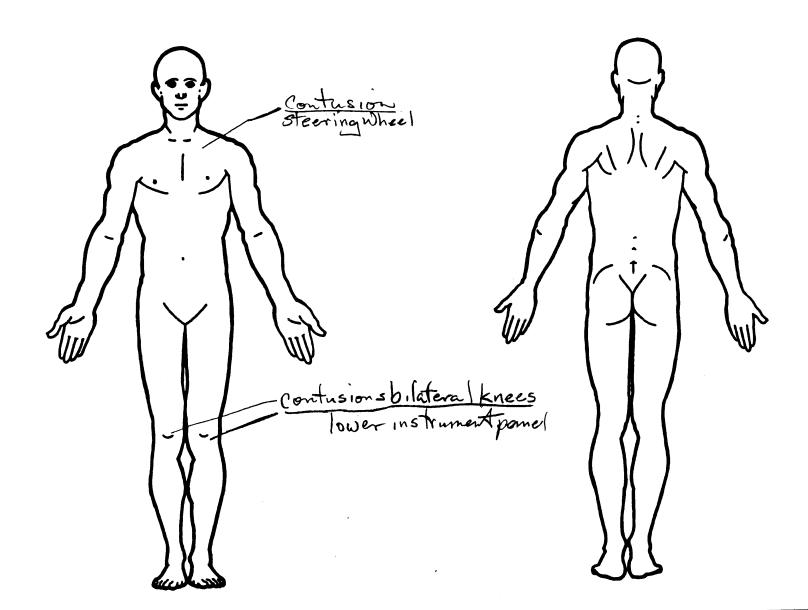
# INJURY DATA-

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

		0.I.CA.I.S							Injury		Occupant
	Source of Injury Data	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Source Confidence Level	Direct/ Indirect Injury	Area Intrusion Number
1st	5. <u>3</u>	6. 🛂	7. <u>9</u>	s. <u>04</u>	9. 02	10. 1	11.4	12.06	13. 2	14	15. 00
2nd	16.3	17. 8	18. 9	19. <b>0</b> 4	20. <u>Q</u> <u>2</u>	21. 🗘	22. 2	23.09	24.2	25	26. <u>Q</u> _O
3rd	27_3	28. 💆	29. 9	30. <u>Ø 4</u>	31. <u>© 2</u>	32	33	34. <u>09</u>	35. 2	36	37. <u>O</u> O
-4th	38	39	40	41	42	43	44	45	46	47	48
5th	49	50	51	52	53	54	55	56	57	58	59
6th	60	61	62	63	64	65	66	67	68	69	70
7th	71	72	73	74	75	76	77	78	79	80	81
8th	82	83	84	85	86	87	88	89	90	91	92
9th	93	94	95	96	97	98	99	100	101 1	02	103
10th	104	105	106 1	07	108	109	110	111	112 1	13	114

	OCCUPANT INJURY DATA-										
	Source of Injury Data	Body Region	Type of Anatomic Structure	O.I.CA Specific Anatomic Structure	A.I.S Level of Injury	A.I.S. Seventy	Aspect	Injury Source	Injury Source Confidence Level	Direct/ Indirect Injury	Occupant Area Intrusion Number
1 1 th			_			***************************************	-		_	_	
1 <i>2</i> th	*****										
13th							<del></del> ·		_		
14th		_					_		_		
15th						*****		••••••••••••••••••••••••••••••••••••••	_		
_ 16th	_	_	_				*****		-		
17th		_			******		_	entitie distribution		_	
18th						*******	_	طللبدم ويسيب	_	_	
19th		_					_		<del></del>		
20th		_	. —			_			_		
21st					*****				_		
22nd						******					
23rd									_	_	
24th											<del></del>
25th					<del></del>						

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



### SOURCE OF INJURY DATA

- (1) Autopsy records with or without hospital/ medical records
- (2) Hospital/medical records other than emergency room (e.g., discharge
- (3) Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency clinic

#### UNOFFICIAL

- (5) Lay coroner report
- (6) E.M.S. personnel
- (7) Interviewee
- (8) Other source (specify):
- (9) Police

#### **INJURY SOURCE**

#### **FRONT**

- (01) Windshield
- (02) Mirror
- (03) · Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only)
- (16) Driver side air bag compartment cover
- (17) Passenger side air bag compartment cover
- (18) Windshield reinforced by exterior object (specify):
- (19) Other front object (specify):

#### LEFT SIDE

- (20) Left side interior surface
- excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A (A1/A2)-pillar
- (23) Left B-pillar
- (24) Other left pillar (specify):

- (25) Left side window glass or frame
- (26) Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (27) Other left side object (specify):
- (28) Left side window sill

#### RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A (A1/A2)-pillar
- (33) Right B-pillar
- (34) Other right piliar (specify):
- (35) Right side window glass or frame
- (36)Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (37) Other right side object (specify):
- (38) Right side window sill

#### INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar or door frame attachment point
- Other restraint system component (specify):
- (44) Head restraint system
- Air bag (use codes "16" and "17" for injuries (45)sustained from air bag compartment covers)
- (46) Other occupants (specify):
- (47) Interior loose objects
- (48) Child safety seat (specify):
- (49) Other interior object (specify):

#### ROOF

- (50) Front header
- (51) Rear header (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

#### **FLOOR**

- (56) Floor (including toe pan)
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking

(60) Backlight (rear window)

- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify):

#### EXTERIOR of OCCUPANT'S VEHICLE

- (65) Hood
- (66) Outside hardware (e.g., outside mirror, antenna)
- Other exterior surface or tires (specify):
- (68) Unknown exterior objects

#### EXTERIOR OF OTHER MOTOR VEHICLE

- (70) Front bumper
- (71) Hood edge
- (72) Other front of vehicle (specify):
- (73) Hood
- (74)Hood omament
- (75) Windshield, roof rail, A-pillar
- Side surface (76)
- Side mirrors (77)
- (78) Other side protrusions (specify)
- (79)Rear surface
- (80) Undercarriage
- (81) Tires and wheels
- (82) Other exterior of other motor vehicle (specify):
- (83) Unknown exterior of other motor vehicle

#### OTHER VEHICLE OR OBJECT IN THE **ENVIRONMENT**

- (84) Ground
- (85) Other vehicle or object (specify)
- (86) Unknown vehicle or object

#### NONCONTACT INJURY

- (90) Fire in vehicle
- (91) Flying glass
- (92) Other noncontact injury source (specify):\_
- (93) Air bag exhaust gases
- (97) Injured, unknown source

#### INJURY SOURCE CONFIDENCE LEVEL

- (1) Certain
- (2) Probable
- (3) Possible
- Unknown

#### DIRECT/INDIRECT INJURY

- Direct contact injury
- Indirect contact injury (2)
- Noncontact injury
- Injured, unknown source

#### OCCUPANT INJURY CLASSIFICATION

#### **Body Region**

- Head
- (2) Face (3) Neck
- (4) (5) (6) Thorax
- Abdomen
- Spine **Upper Extremity**
- **Lower Extremity** Unspecified

#### Type of Anatomic Structure

- Whole Area
- Vessels
- Nerves (3) (4) Organs (includes muscles/ ligaments)
- Skeletal (includes joints)
- (6) Head - LOC
- (9) Skin

#### Specific Anatomic Structure

- Whole Area (02) Skin Abrasion (04) Skin Contusion
- (06) Skin Laceration
- (08) Skin Avulsion
- (10) Amputation (20) Burn
- (30) Crush
- (40) Degloving (50)
- Injury NFS
  Trauma, other than mechanical

- Head LOC (02) Length of LOC (04, 06, 08) Level of Consciousness

- Spine (02) Cervical (04) Thoracic
- (06) Lumbar
- Vessels, Nerves, Organs, Bones, Joints are assigned consecutive two digit numbers beginning with 02

#### Level of Injury

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

#### Abbreviated Injury Scale

- Minor injury
- Moderate injury (2)
- (3) Serious injury Severe injury
- Critical injury (5) (6) Maximum (untreatable)
  - Injured, unknown severity

#### Aspect

- Right Left
- Bilateral Central
- Anterior
- (6) (7) **Posterior** Superior
- Inferior
- Unknown Whole region

# National Accident Sampling

# OFFICIAL INJURY DATA — SKELETAL INJURIES

Restrained?

No

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)

**Blood Alcohol** Level (mg/dl)

BAL = \_\_\_\_

Glasgow Coma Scale Score

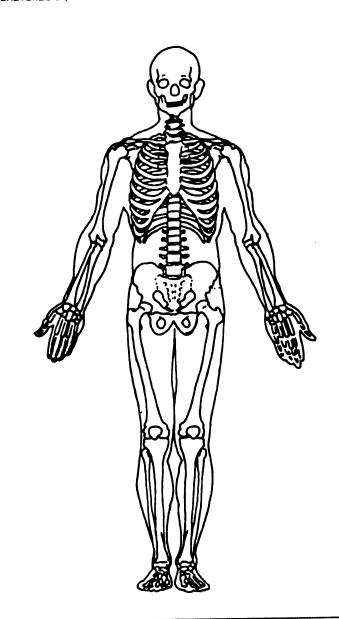
GCSS = \_\_\_\_

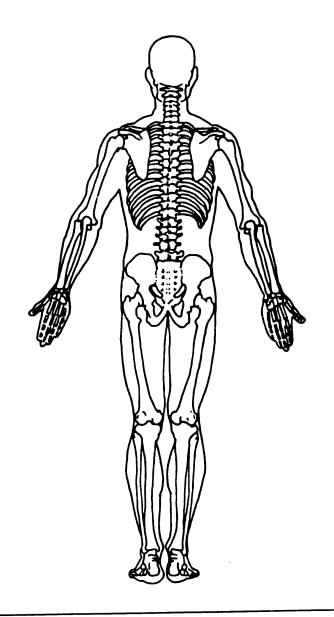
Units of Blood Given

Units =

Arterial Blood Gases

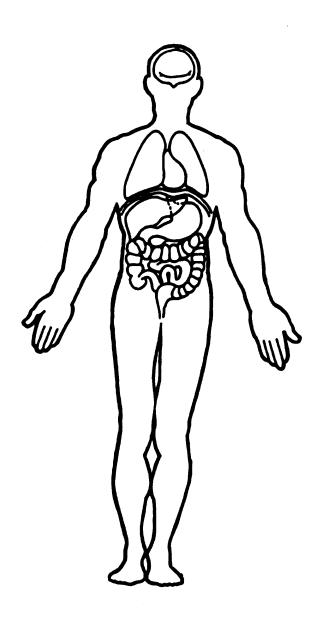
HCO<sub>3</sub>

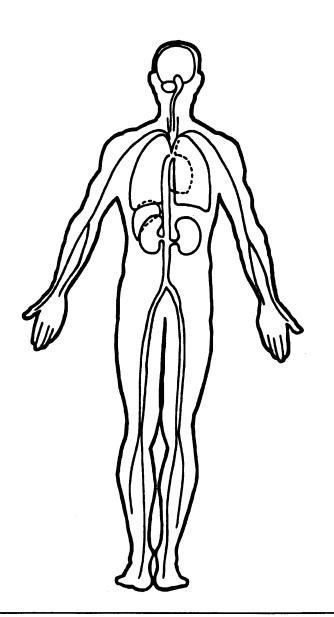




# OFFICIAL INJURY DATA - INTERNAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





National Accident Sampling System-Crashworthiness Data System: Occupant Assessment Form

25. Head Restraint Type/Damage by Occupant at This Occupant Position (0) No head restraints (1) Integral—no damage (2) Integral—damaged during accident  27. Seat Performance (this Occupant not seated or no (1) No seat performance failure (2) Seat adjusters failed (3) Seat back folding locks or the failure (3) Seat back folding locks or the failure (3) Seat back folding locks or the failure (4) Seat back folding locks or the failure (5) Seat back folding locks or the failure (6) Seat back folding locks or the failure (6) Seat Performance (6) Occupant not seated or no (7) No seat performance (7) No seat performance (8) Seat back folding locks or the failure (8) Seat back folding locks or the failure (9) Se	seat e(s)
(3) Adjustable—no damage (4) Adjustable—damaged during accident (5) Add-on—no damage (6) Add-on—damaged during accident (8) Other (specify):  (4) Seat track/anchors failed (5) Deformed by impact of occident (6) Deformed by passenger cor (specify):  [8]	mpartment intrusion
(9) Unknown (7) Combination of above (spe	cify):
(8) Other (specify):	
26. Seat Type (this Occupant Position) (00) Occupant not seated or no seat (01) Bucket (02) Bucket with folding back (03) Bench (04) Bench with separate back cushions (05) Bench with folding back(s)	
(06) Split bench with separate back cushions (07) Split bench with folding back(s) (08) Pedestal (i.e., column supported)	
(08) Pedestal (i.e., column supported) (09) Other seat type (specify):	·
(10) Box mounted seat (i.e., van type) (99) Unknown	

U.S. Department of Transportation National Highway Traffic Safety Administration

# **OCCUPANT INJURY FORM**

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

3. Vehicle Number

2. Case Number - Stratum

4. Occupant Number

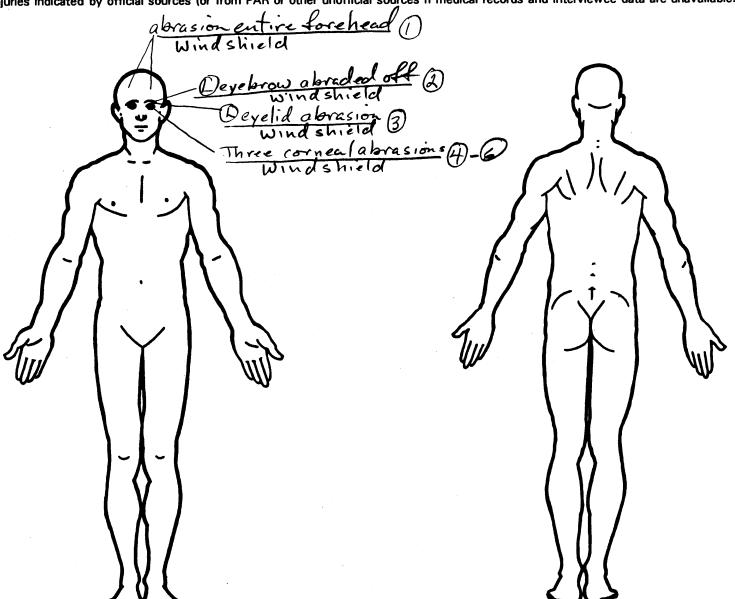
### **INJURY DATA-**

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

				0.I.C.	-A.I.S	<del></del>			Injury		Occupant
	Source of Injury Data	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Source Confidence Level	Direct/ Indirect Injury	Area Intrusion Number
1st	5. <u>3</u>	6. 2	7. 9	8. <u>02</u>	9.02	10	11. 7	12. 0 1	13	14. 👤	15. <u>()</u>
2nd	16. 3	17. 2	18. 4	9. <u>0</u> 2	20. <u>0</u> 2	21	22. 7	23. 0 _	24	25	26. <u>Q</u> Q
3rd	27 <u>3</u>	28.2	29.9	o. 72	31. <u>0</u> 2	32. 1	33.2	34.01	35	36. <u>/</u>	37. <i>00</i>
-4th	38.3	39. <u>A</u>	40.4	11.06	42. <u>02</u>	43	44. 2	45. <u>Q</u> <u>/</u>	46	47. <u> </u>	48. <i>Q_Q</i>
5th	49.3	50. <u>2</u> 9	51. <u>4</u> 5	52. 0 6	53. <u>0</u> 2	54	55. 2	56. <u>0</u> _/	57	58	59. <i>QQ</i>
6th	60.3	61. 2	52. <u>4</u>	53 <b>06</b>	64. <u>0</u> 2	65. 🗘	66. 2	67. <u><b>0</b></u> <u>/</u>	68	69	70 <u>0</u> 0
7th	713	72. 8	73.5	14. <u>34</u>	75. <u>0</u> 6	76. <u>2</u>	77.2	78. 12	79 <b>.2</b>	80. 🔟	81. <u>O O</u>
8th	82	83	84 8	35	86	87	88	89	90	91	92
9th	93	94	95 9	96	97	98	99	100	101 1	02 1	03
10th	104	105 10	o6 10	<b>)7</b> 1	08	109	110	111	112 1	13 1	14

				occi	JPANT I	NJURY	DATA-				
	Source		Type of	O.I.CA					Injury Source	Direct/	Occupant Area
	of Injury Data	Body Region	Andrew Control of the					Injury Source	Confidence Level	Indirect Injury	Intrusion Number
11th					<del></del> .		-				
1.2th		******			and control	4+9000r					
13th	_								*******		
1 <b>4</b> th					<del></del>						
1 <b>5th</b>		*******			******	******					
_ 16th			*******			*******	*****	*******		******	
17th		-	******		******						
18th	_				***************************************						
1 <i>9t</i> h	_					_	_		_		
20th									_		
21st									_	_	
22nd	_										
23rd	_	***************************************					_				
24th					******						
25th											

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



# SOURCE OF INJURY DATA

- (1) Autopsy records with or without hospital/ medical records
- (2) Hospital/medical records other than emergency room (e.g., discharge
- (3) Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency clinic

### UNOFFICIAL

- (5) Lay coroner report
- (6) E.M.S. personnel
- (7) Interviewes
- (8) Other source (specify):
- (9) Police

### **INJURY SOURCE**

### FRONT

- (01) Windshield
- (O2) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape
- deck, air conditioner) (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only)
- (16) Driver side air bag compartment cover
- (17) Passenger side air bag compartment cover
- (18) Windshield reinforced by exterior object (specify):
- (19) Other front object (specify):

### LEFT SIDE

- (20) Left side interior surface. excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A (A1/A2)-pillar
- (23) Left B-pillar
- (24) Other left pillar (specify):

- (25) Left side window glass or frame
- (26) Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (27) Other left side object (specify):
- (28) Left side window sill

### RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A (A1/A2)-pillar
- (33) Right B-pillar
- (34) Other right pillar (specify):
- (35) Right side window glass or frame
- (36) Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (37) Other right side object (specify):
- (38) Right side window sill

### INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar or door frame attachment point
- (43) Other restraint system component (specify):
- (44) Head restraint system
- (45) Air bag (use codes "16" and "17" for injuries sustained from air bag compartment covers)
- (46) Other occupants (specify):
- (47) Interior loose objects
- Child safety seat (specify):
- (49) Other interior object (specify):

### ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

### **FLOOR**

- (56) Floor (including toe pan)
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

(60) Backlight (rear window)

- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify):

### EXTERIOR of OCCUPANT'S VEHICLE

- (65) Hood
- (66) Outside hardware (e.g., outside mirror, antenna)
- Other exterior surface or tires (specify):\_
- (68) Unknown exterior objects

### EXTERIOR OF OTHER MOTOR VEHICLE

- (70) Front bumper
- (71) Hood edge
- (72) Other front of vehicle (specify):
- (73) Hood
- (74) Hood ornament
- (75) Windshield, roof rail, A-pillar
- (76) Side surface
- (77) Side mirrors
- (78) Other side protrusions (specify)
- (79) Rear surface
- (80) Undercarriage
- (81) Tires and wheels
- (82) Other exterior of other motor vehicle (specify):
- (83) Unknown exterior of other motor vehicle

### OTHER VEHICLE OR OBJECT IN THE **ENVIRONMENT**

- (84) Ground
- (85) Other vehicle or object (specify)
- (86) Unknown vehicle or object

### NONCONTACT INJURY

- (90) Fire in vehicle
- (91) Flying glass
- (92) Other noncontact injury source
  - (specify):
- (93) Air bag exhaust gases
- (97) Injured, unknown source

### INJURY SOURCE CONFIDENCE LEVEL

- (1) Certain
- 121 Prohable
- (3) Possible
- Unknown

### DIRECT/INDIRECT INJURY

- Direct contact injury (1)
- Indirect contact injury (2) (3) Noncontact injury
- Injured, unknown source

# OCCUPANT INJURY CLASSIFICATION

### **Body Region**

- Head
- (2) Face
- (3) (4) (5) Neck Thorax
- Abdomen (6) Spine
- (7) **Upper Extremity**
- **Lower Extremity** Unspecified

# Type of Anatomic Structure

- Whole Area
- Vessels
- Organs (includes muscles/ (4)
- ligaments) Skeletal (includes joints)
- (6) Head - LOC Skin

- Specific Anatomic Structure
- Whole Area (02) Skin Abrasion (04) Skin Contusion
- (06) Skin - Laceration
- (08) Skin - Avulsion (10) Amputation
- (20) Bum
- Crush 1401
- Degloving Injury NFS (50)
- Trauma, other than mechanical

(04, 06, 08) Level of Consciousness

Head - LOC (02) Length of LOC

- Spine (02) Cervical (04) Thoracic
- Vessels, Nerves, Organs, Bones, Joints are assigned consecutive

### two digit numbers beginning with 02 Level of Injury

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

### Abbreviated Injury Scale

- Minor injury
- Moderate injury
- (3) Serious injury
- (4) (5) Severe injury Critical injury
- Maximum (untreatable) (7) Injured, unknown severity

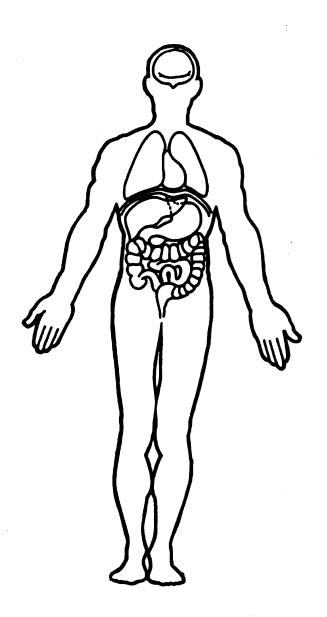
### Aspect

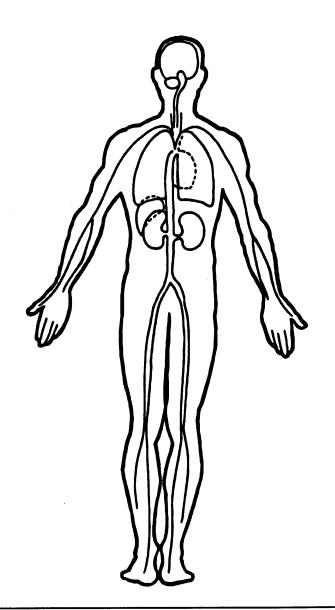
- Right
- Bilateral
- (4) (5) Central Anterior
- (6) (7) Posterior
- Superior
- (8) Inferior
- Unknown Whole region

# OFFICIAL INJURY DATA — SKELETAL INJURIES Restrained? Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.) **Blood Alcohol** Level (mg/dl) BAL = \_\_\_\_ Glasgow Coma Scale Score GCSS = \_\_\_\_ Units of Blood Given Units = Arterial Blood Gases Dateraltibial () plateau fx nondisplaced

# OFFICIAL INJURY DATA —INTERNAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





National Accident Sampling System-Crashworthiness Data System: General Vehicle Form

Page 2

	OCCUPANT RELATED	24. Rollover
	Driver Presence in Vehicle (0) Driver not present (1) Driver present (9) Unknown  Number of Occupants This Vehicle (00-96) Code actual number of occupants for this vehicle (97) 97 or more (99) Unknown	(0) No rollover (no overturning)  Rollover (primarily about the longitudinal axis) (1) Rollover, 1 quarter turn only (2) Rollover, 2 quarter turns (3) Rollover, 3 quarter turns (4) Rollover, 4 or more quarter turns (specify):  ———————————————————————————————————
18.	Number of Occupant Forms Submitted	(9) Rollover (overturn), details unknown
	VEHICLE WEIGHT ITEMS	OVERRIDE/UNDERRIDE (THIS VEHICLE)
19.	Vehicle Curb Weight	25. Front Override/Underride (this Vehicle)
	10 kilograms. (045) Less than 450 kilograms (610) 6,100 kilograms or more	26. Rear Override/Underride (this Vehicle)
	(999) Unknown	(0) No override/underride, or not an end-to-end impact
20.	Vehicle Cargo Weight Code weight to nearest	Override (see specific CDC) (1) 1st CDC (2) 2nd CDC (3) Other not automated CDC (specify):
	10 kilograms. (000) Less than 5 kilograms (450) 4,500 kilograms or more (999) Unknown lbs X .4536 =, kgs	Underride (see specific CDC) (4) 1st CDC (5) 2nd CDC (6) Other not automated CDC (specify):
	RECONSTRUCTION DATA	(7) Medium/heavy truck or bus override
21.	Towed Trailing Unit (0) No towed unit (1) Yes—towed trailing unit (9) Unknown	(9) Unknown  HEADING ANGLE AT IMPACT FOR  HIGHEST DELTA V
22.	Documentation of Trajectory Data for This Vehicle (0) No (1) Yes	Values: (000)-(359) Code actual value (997) Noncollision (998) Impact with object (999) Unknown
23.	Post Collision Condition of Tree or Pole (For Highest Delta V) (0) Not collision (for highest delta V) with tree or pole (1) Not damaged (2) Cracked/sheared (3) Tilted <45 degrees (4) Tilted ≥45 degrees (5) Uprooted tree (6) Separated pole from base (7) Pole replaced (8) Other (specify):	27. Heading Angle For This Vehicle 147 28. Heading Angle For Other Vehicle 250
1	(9) Unknown	

National Accident Sampling System-Crashworthiness Data System: General Vehicle Form

Page 5

OTHER DATA	61. Rollover Initiation Object Contacted $Q$
EG Driver's 7in Code	
(00000) Driver not present (00001) Driver not a resident of U.S. or territories Code actual 5-digit zip code (99999) Unknown	62. Location on Vehicle Where Initial Principal Tripping Force Is Applied  (0) No rollover (1) Wheels/tires
57. Driver's Race/Ethnic Origin (0) Driver not present (1) White (non-Hispanic) (2) Black (non-Hispanic) (3) White (Hispanic) (4) Black (Hispanic) (5) American Indian, Eskimo or Aleut (6) Asian or Pacific Islander (8) Other (specify):	(2) Side plane (3) End plane (4) Undercarriage (5) Other location on vehicle (specify): (8) Non-contact rollover forces (specify): (9) Unknown
(9) Unknown  58. Vehicle Special Use (This Trip) (0) No special use (1) Taxi (2) Vehicle used as school bus (3) Vehicle used as other bus (4) Military (5) Police (6) Ambulance	<ul> <li>(0) No rollover</li> <li>(1) Roll right - primarily about the longitudinal axis</li> <li>(2) Roll left - primarily about the longitudinal axis</li> <li>(5) End-over-end (i.e., primarily about the lateral axis)</li> <li>(9) Unknown roll direction</li> </ul>
(7) Fire truck or car	PRECRASH DATA
(8) Other (specify): (9) Unknown	64. Pre-Event Movement (Prior to LO Recognition of Critical Event)
ROLLOVER DATA  If GV07 (Body Type) ≠ 1-49, leave GV59-GV63 blank. If GV24 (Rollover) = 0, then GV59-GV63 must equal 0. If GV24 = 9, then GV59-GV63 must equal 9.  59. Rollover Initiation Type	<ul> <li>(01) Going straight</li> <li>(02) Slowing or stopping in traffic lane</li> <li>(03) Starting in traffic lane</li> <li>(04) Stopped in traffic lane</li> <li>(05) Passing or overtaking another vehicle</li> <li>(06) Disabled or parked in travel lane</li> <li>(07) Leaving a parking position</li> </ul>
(0) No rollover (1) Trip-over (2) Flip-over (3) Turn-over (4) Climb-over (5) Fall-over (6) Bounce-over (7) Collision with another vehicle (8) Other rollover initiation type specify):	(08) Entering a parking position (09) Turning right (10) Turning left (11) Making a U-turn (12) Backing up (other than for parking position) (13) Negotiating a curve (14) Changing lanes (15) Merging (16) Successful avoidance maneuver to a previous critical event (97) Other (specify):
60. Location of Rollover Initiation	(98) No driver present (99) Unknown
<ul> <li>(0) No rollover</li> <li>(1) On roadway</li> <li>(2) On shoulder—paved</li> <li>(3) On shoulder—unpaved</li> <li>(4) On roadside or divided trafficway median</li> <li>(9) Unknown</li> </ul>	

# CODES FOR ROLLOVER INITIATION OBJECT CONTACTED

(00) No rollover (57) Fence (01-30) - Vehicle Number (58) Wall (59) Building Noncollision (60) Ditch or culvert (31) Turn-over — fall-over (61) Ground (33) Jackknife (62) Fire hydrant (63) Curb Collision With Fixed Object (64) Bridge (41) Tree (≤ 10 cm in diameter) (68) Other fixed object (specify): (42) Tree (> 10 cm in diameter) (43) Shrubbery or bush (69) Unknown fixed object (44) Embankment Collision with Nonfixed Object (45) Breakaway pole or post (any diameter) (71) Motor vehicle not in-transport (76) Animal Nonbreakaway Pole or Post (77) Train (78) Trailer, disconnected in transport (50) Pole or post ( $\leq$  10 cm in diameter) (51) Pole or post (> 10 cm but  $\leq$  30 cm in (88) Other nonfixed object (specify): diameter) (52) Pole or post (> 30 cm in diameter) (89) Unknown nonfixed object (53) Pole or post (diameter unknown) (98) Other event (specify): (54) Concrete traffic barrier (55) Impact attenuator (99) Unknown event or object (56) Other traffic barrier (includes guardrail)



U.S. Department of Transportation

National Highway Traffic Safety Administration

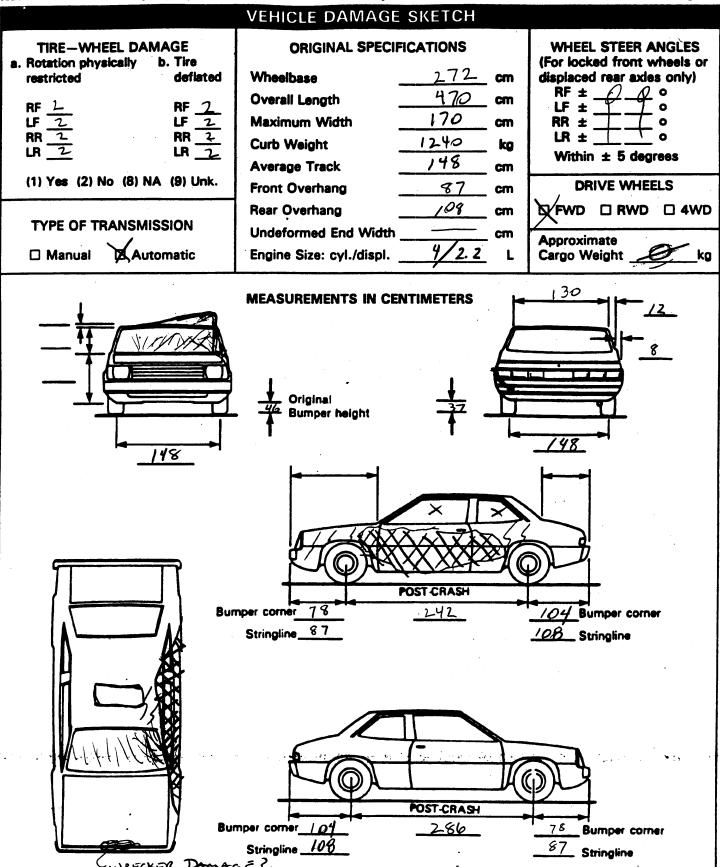
# **EXTERIOR VEHICLE FORM**

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1. Primar	y Sampling l	Unit Nu	mber	48	3. V	ehicle	Numbe	r			0	2
2. Case N	Number - Str	atum	2	115								
			\	/EHICLE IDE	NTIFIC	CATI	ON					,
VIN	HGC	<del></del>				Andrew to an entire				Model Y	ear9	3
Vehicle Ma	ıke (specify):		HOND	4	Vel	hicle l	Model (s	pecify):	A	ww	<u> </u>	
				LOC	ATOR							
				t to the vehicle	e longitu	udinal	center	line or b	umper c	orner fo	or end in	npacts
	maged axle	tor side		of Direct Dama	age			Lc	cation (	of Field		
оросии и	1	STAR		n IN FRO		E	4TA			Berws		XLÉ
	<del></del>	3,,,,,	, , , , ,	LR 4)		,	. , , , , ,	-,,,,,,		, y e 11 ou a		
			·							1		
			CRU	SH PROFILE	IN CE	NTIN	/IETER	S				
				C-measuremen		aken	e.g., at	bumpei	, above	bumpe	r, at sill	, above
		•	-	(e.g., free spac								Ì
ľ	Measure and	docum	ent on the v	ehicle diagram	the loc	ation	of max	imum cı	ush.			
	Measure C1 mpacts.	to C6 fr	om driver to	o passenger si	de in fro	nt or	rear im	pacts ar	nd rear t	o front	in side	
	Free space v	alue is d	defined as th	ne distance be	tween t	he ba	seline a	nd the d	original l	body co	ntour ta	ıken at
1	he individua	I C loca	tions. This	may include the for each C-n	ne follov	ving:	bumper	lead, b	umper t			
	-				•				), usi			
Specific			Direct D	ecessary to de	escribe e	acn o	amage	profile.				
Impact	Plane of In C-Measure		Width	Max	ield L	C <sub>1</sub>	C <sub>2</sub>	_C <sub>3</sub>	C.	C <sub>5</sub>	_Ç <sub>e</sub>	±D.
Number			(CDC) 192	Crush	160		5	56	42	39		V.19
	WIP	108	19 1	56	2		2	26	43	57	0	1+19
	,				<del>-</del>						·	
		7	7/1	7 2	95	5	48	56	48	28	0	-19
t a seg												
	<u> </u>											
			<del></del>			•						
		<u> </u>									<b> </b>	

# ORIGINAL SPECIFICATIONS WORK SHEET

Wheelbase	107.1	inches	X	2.54	=	<u> </u>
Overall Length	V 185.2	inches	X	2.54	=	470 cm
Maximum Width	V67.1	inches	x	2.54	<b>=</b>	170 cm
Curb Weight	V2.734	pounds	X	.4536	=	<u>_1, 2 4 0</u> kg
Average Track	V 58.2	inches	<b>x</b>	2.54	=	<u> </u>
Front Overhang	·•	inches	X	2.54	=	cm
Rear Overhang		inches	x	2.54	=	cm
Undeformed End Widt	h	inches	X	2.54	=	cm
Engine Size: cyl./d	ispl	сс	x	.001	=	L
	<u> </u>	CID	X	.0164	=	22 L V



NOTES: Sketch new perimeter and cross hatch direct damage and single hatch induced damage on all views. Annotate observations which might be useful in reconstructing the accident (e.g., grass in tire bead, direction of striations, scuff on sidewalls, etc.). If pulling trailer, sketch type of trailer and damage received on the back of this page.

Annotate any damage caused by extrication such as component removal by torching, prying, or hydraulic shears.

CODES FOR OR		T						
CODES FOR OF	SJECT CONT	ACTED						
(01-30) — Vehicle Number	(57)	Fence						
	(58)	Wall						
Noncollision		Building						
(31) Overturn — rollover		Ditch or	culvert					
(32) Fire or explosion		Ground						
(33) Jackknife		Fire hydr	ant					
(34) Other intraunit damage (specify):		Curb	Bridge					
(35) Noncollision injury		Other fixed object (specify):						
(38) Other noncollision (specify):	(00)	Other ha	eu object (s	pecity).				
(oo) Other honodinator (opcomy).	(69)	Unknow	n fixed obje	ct	<del></del>			
(39) Noncollision — details unknown	(00)	· · · · · · · · · · · · · · · · · · ·						
,,	Collisio	on with No	nfixed Obje	ct				
Collision With Fixed Object	(71)	Motor ve	hicle not in	-transport				
(41) Tree (≤ 10 cm in diameter)		Pedestria						
(42) Tree (> 10 cm in diameter)		Cyclist o						
(43) Shrubbery or bush	(74)	Other no	nmotorist o	r conveyand	e			
(44) Embankment	(75)	V-1-1-1-			·			
(AE) Brookersey male or most (any diameter)		Vehicle	occupant					
(45) Breakaway pole or post (any diameter)		Animal Train						
Nonbreakaway Pole or Post			lisconnecte	d in transpor	<del>'</del> †			
(50) Pole or post (≤ 10 cm in diameter)				ct (specify):	•			
(51) Pole or post (> 10 cm but $\leq$ 30 cm in	(00)	0 (.10) 110		ot (opeo),.				
diameter)	(89)	Unknow	n nonfixed	object				
(52) Pole or post (> 30 cm in diameter)				-				
(53) Pole or post (diameter unknown)	(98)	Other ev	ent (specify	<i>י</i> ):				
(54) Concrete traffic barrier	(99)	Unknow	n event or o	bject				
(55) Impact attenuator								
(56) Other traffic barrier (includes guardrail)								
(56) Other traffic barrier (includes guardrail)	CATION BY	EVENT N	UMBER	·				
(56) Other traffic barrier (includes guardrail) (specify):	ICATION BY							
(56) Other traffic barrier (includes guardrail) (specify):  DEFORMATION CLASSIF	CICATION BY	(4)	(5)	(6)				
(56) Other traffic barrier (includes guardrail) (specify):				(6) Type of	(7)			
(56) Other traffic barrier (includes guardrail) (specify):  DEFORMATION CLASSIF  Accident (1) (2) Event Direction Incremental Sequence Object of Force Value of Incremental	(3) L Deformation	(4) Specific ongitudinal or Lateral	(5) Specific Vertical or Lateral	Type of Damage	Deformation			
(56) Other traffic barrier (includes guardrail) (specify):  DEFORMATION CLASSIF  Accident (1) (2) Event Direction Incremental	(3) L	(4) Specific ongitudinal	(5) Specific Vertical or	Type of				
Accident Event Sequence Object Number Contacted (56) Other traffic barrier (includes guardrail) (specify):  DEFORMATION CLASSIF	(3) L Deformation	(4) Specific ongitudinal or Lateral	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation Extent			
Accident Event Sequence Object Number Contacted O O O O O O O O O O O O O O O O O O O	(3) L Deformation	(4) Specific ongitudinal or Lateral	(5) Specific Vertical or Lateral	Type of Damage	Deformation			
Accident Event Sequence Object Number Contacted (56) Other traffic barrier (includes guardrail) (specify):  DEFORMATION CLASSIF	(3) L Deformation	(4) Specific ongitudinal or Lateral	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation Extent			
Accident Event Sequence Object Number Contacted O O O O O O O O O O O O O O O O O O O	(3) L Deformation	(4) Specific ongitudinal or Lateral	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation Extent			
Accident Event Sequence Object Number Contacted O O O O O O O O O O O O O O O O O O O	(3) L Deformation	(4) Specific ongitudinal or Lateral	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation Extent			
Accident Event Sequence Object Number Contacted O O O O O O O O O O O O O O O O O O O	(3) L Deformation	(4) Specific ongitudinal or Lateral	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation Extent			
Accident Event Sequence Object Number Contacted O O O O O O O O O O O O O O O O O O O	(3) L Deformation	(4) Specific ongitudinal or Lateral	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation Extent			
Accident Event Sequence Object Number Contacted O O O O O O O O O O O O O O O O O O O	(3) L Deformation	(4) Specific ongitudinal or Lateral	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation Extent			
Accident Event Sequence Object Number Contacted O O O O O O O O O O O O O O O O O O O	(3) L Deformation	(4) Specific ongitudinal or Lateral	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation Extent			
Accident Event Sequence Object Number Contacted O O O O O O O O O O O O O O O O O O O	(3) L Deformation	(4) Specific ongitudinal or Lateral	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation Extent			
Accident Event Sequence Object Number Contacted O O O O O O O O O O O O O O O O O O O	(3) L Deformation	(4) Specific ongitudinal or Lateral	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation Extent			
Accident Event Sequence Object Number Contacted O O O O O O O O O O O O O O O O O O O	(3) L Deformation	(4) Specific ongitudinal or Lateral	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation Extent			

National Highway Traffic Safety Administration	INTERIOR VE	HICLE FORM	NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM
1 Dimen Compline Unit Number	48		GLAZING
1. Primary Sampling Unit Number		Glazing Damage fro	m Impact Forces
2. Case Number - Stratum	2113	15. WS 2 16. LF (	6 17. RF 0 18. LR 6 19. RR
3. Vehicle Nümber	02	20. BL Q 21. Roof	O 22. Other O
INTEGRITY		_	<del></del>
4. Passenger Compartment Integri (00) No integrity loss  Yes, Integrity Was Lost Through	ty _06	(2) Glazing in place (3) Glazing in place (4) Glazing out-of- impact forces (5) Glazing out-of-p	age from impact forces o and cracked from impact forces o and holed from impact forces place (cracked or not) and not holed from place and holed from impact forces
(01) Windshield (02) Door (side) PRIGE OPSY (03) Door/hatch (back door) (04) Roof (05) Roof glass	· <b>)</b>	(6) Glazing disinteg (7) Glazing remove (8) No glazing (9) Unknown if dar	
) (96) Side window 5 — (1) (07) Rear window (backlight)		Glazing Damage fro	m Occupant Contact
(08) Roof and roof glass (09) Windshield and door (side)			0 25. RF <u>0</u> 26. LR <u>0</u> 27. RR <u>0</u>
(10) Windshield and roof (11) Side and rear window (side windo	w and backlight)	28. BL_ Ø 29. Roof	<u>Ø</u> 30. Other <u>Ø</u>
(12) Windshield and side window (13) Door and side window (98) Other combination of above (spec	ify):	(1) Glazing contact (2) Glazing in place (3) Glazing in place	entact to glazing or no glazing sed by occupant but no glazing damage and cracked by occupant contact and holed by occupant contact
Door, Tailgate or Hatch Opening		contact and no (5) Glazing out-of- occupant conta (6) Glazing disinteg	place (cracked or not) by occupant t holed by occupant contact place by occupant contact and holed by ect grated by occupant contact htacted by occupant
5. LF <u>3</u> 6. RF <u>3</u> 7. LR <u>@</u> 8. R (0) No door/gate/hatch	R <u> </u>	If No Glazing Damas	ge <i>And</i> No Occupant Contact or No IV31 Through IV46 As Ø
(1) Door/gate/hatch remained closed a (2) Door/gate/hatch came open during (3) Door/gate/hatch jammed shut	•	Type of Window/W	
(8) Other (specify):		31. WS   32. LF	<sup>7</sup> 33. RF <u>0</u> 34. LR <u>2</u> 35. RR <u>∞</u>
(9) Unknown		36. BL <u>O</u> 37. Roo	•
Damage/Failure Associated with Do Opening in Collision. If IV05-IV09 in 10. LF 11. RF 12. LR 13.	≠ 2, Then code Ø  RR <u> </u>	(0) No glazing cont (1) AS-1 — Lamina (2) AS-2 — Tempe (3) AS-3 — Tempe (4) AS-14 — Glass (8) Other (specify)	ered vred-tinted s/Plastic
(O) No door/gate/hatch or door not ope	ened	(9) Unknown	
Door, Tailgate or Hatch Came Open Du (1) Door operational (no damage)	ring Collision		N

Window Precrash Glazing Status

39. WS 40. LF 2 41. RF 0 42. LR 2 43. RR 0

44. BL <u>0</u> 45. Roof <u>0</u> 46. Other <u>0</u>

- (0) No glazing contact and no damage, or no glazing
- (1) Fixed
- (2) Closed
- (3) Partially opened
- (4) Fully opened
- (9) Unknown

HS Form 435C (Rev. 1/93)

(9) Unknown

(2) Latch/striker failure due to damage

(3) Hinge failure due to damage (4) Door structure failure due to damage (5) Door support (i.e., pillar, sill, roof side rail,

(8) Other failure (specify):

etc.) failure due to damage

(6) Latch/striker and hinge failure due to damage

# **INTRUSION WORKSHEET** Note: Sketch intruded areas Vertical Longitudinal Row Width (cm) 124 Longitudinal Vertical **LOCATION DOMINANT** (All Measurements Are in Centimeters) INTRUDED **INTRUSION** OF **COMPARISON INTRUDED** CRUSH **INTRUSION COMPONENT DIRECTION VALUE VALUE** LF 45 DOOR PANEL (8) ATT SILL 30 49 A- PILLAR 30 30 KICK PANEL SEAT APPLOX 200 VURT

### OCCUPANT AREA INTRUSION. INTRUDING COMPONENT Note: If no intrusions, leave variables IV47-IV86 blank. Dominant Interior Components (01) Steering assembly Magnitude Crush Intruding Location of (02) Instrument panel left Direction Component of Intrusion Intrusion (03) Instrument panel center (04) Instrument panel right 1st 47. 2 1 48. 0 7 49. 4 50. 3 (05) Toe pan (06) A (A1/A2)-pillar (07) B-pillar -(08) C-pillar 51. 2 \ 52. <u>2</u> 8 53. <u>4</u> 54. <u>3</u> (09) D-pillar -(10) Door panel (side) (12) Roof (or convertible top) (13) Roof side rail 56. 17 57. 4 58. 3 (14) Windshield (15) Windshield header (16) Window frame —(17) Floor pan (includes sill) 60. 19 61. 4 62. 2 (18) Backlight header -(19) Front seat back (20) Second seat back (21) Third seat back 64. 24 65. 3 66. (22) Fourth seat back (23) Fifth seat back - (24) Seat cushion 68. <u>2</u> 7 69. <u>3</u> 70. 3 (25) Back door/panel (e.g., tailgate) (26) Other interior component (specify): (27) Side panel - forward of the A (A2)-pillar \_ 72.<u>06</u> 73.<u>3</u> 74.3 / (28) Side panel - rear of the A (A2)-pillar L Exterior Components (30) Hood (31) Outside surface of this vehicle (specify): (32) Other exterior object in the environment (specify): 79. <u>2 |</u> 80. <u>2 4</u> 81. <u>2</u> 82. <u>1</u> (33) Unknown exterior object (97) Catastrophic (98) Intrusion of unlisted component(s) \_ 84. 1 7 85. 2 86. 3 (specify): (99) Unknown LOCATION OF INTRUSION MAGNITUDE OF INTRUSION (1) $\geq$ 3 centimeters but < 8 centimeters (2) ≥ 8 centimeters but < 15 centimeters Fourth Seat Front Seat (3) ≥ 15 centimeters but < 30 centimeters (41) Left (11) Left (42) Middle (4) ≥ 30 centimeters but < 46 centimeters (12) Middle (43) Right ≥ 46 centimeters but < 61 centimeters (13) Right $(6) \geq 61$ centimeters Second Seat (97) Catastrophic (7) Catastrophic (98) Other enclosed (21) Left (9) Unknown area (specify) (22) Middle (23) Right (99) Unknown DOMINANT CRUSH DIRECTION Third Seat (1) Vertical (31) Left (2) Longitudinal (32) Middle (3) Lateral (33) Right (7) Catastrophic (9) Unknown

(All Measurements Are in Contimeters)									
COMPARISON VALUE - DAMAGE VALUE = DEFORMA									
		1//	=						
	_	NIX	=						
	_		=						
	-		=						

.

OTERNA COLLINA	
87. Steering Column Type (1) Fixed column (2) Tilt column (3) Telescoping column (4) Tilt and telescoping column (8) Other column type (specify): (9) Unknown	93. Location of Steering Rim/Spoke Deformation (00) No steering rim deformation   Quarter Sections (01) Section A (02) Section B (03) Section C (04) Section D   Half Sections (05) Upper half of rim/spoke (06) Lower half of rim/spoke (07) Left half of rim/spoke
88. Blank (This variable is left blank so that numbering consistency can be maintained with the 1988-93 CDS.	(08) Right half of rim/spoke  (09) Complete steering wheel collapse (10) Undetermined location (99) Unknown
89. Blank (This variable is left blank so that numbering consistency can be maintained with the 1988-93 CDS.	INSTRUMENT PANEL  94. Odometer Reading
90. Blank (This variable is left blank so that numbering consistency can be maintained with the 1988-93 CDS.	
91. Blank (This variable is left blank so that numbering consistency can be maintained with the 1988-93 CDS.	95. Instrument Panel Damage from Occupant Contact? (0) No (1) Yes (9) Unknown
92. Steering Rim/Spoke Deformation  Code actual measured  deformation to the nearest centimeter (00) No steering rim deformation	96. Knee Bolsters Deformed from Occupant Contact? (0) No (1) Yes (8) Not present (9) Unknown
(01-14) Actual measured value in centimeters (15) 15 centimeters or more (98) Observed deformation cannot be measured (99) Unknown	97. Did Glove Compartment Door Open During Collision(s)? (0) No (1) Yes (8) Not present (9) Unknown

# **VEHICLE INTERIOR SKETCHES** Note area of ejection/entrapment

Sketch windshield contact(s) and the damaged area(s) on the instrument panel outline (e.g., radio, glove compartment, damage to instrument panel structure.

Cross hatch contact points, draw spider webs or use other annotation as may be appropriate.

Annotate the contacted area with a letter (begin with A) and list on the Points of Occupant Contact page.

ational Acc	ident Sampling			Data System: Interior V		-orm	Page
Contact	Interior Component Contacted	Occupant No. If Known	Body Region If Known	CUPANT CONTAC		Evidence	Confidence Level of Contact Point
A	DOOR	1	?	INTIMASO		-	1
В	5 W	1	?	PUSHED UP			3
С	FLOOR/SILL	)	?	INTRUSOR			2
D	DASH	1	?	DEFORMED			2_
E							
F							
G							
Н							
1							
J							
K							·
L							ŀ
М							
N							
		C	DDES FOR IN	TERIOR COMPONENTS			
RONT (01) Wind (02) Mirro	or	· ·	(23) Left B-piller (24) Other left piller (specify):		(47)	Other occupants (s	ts
(03) Sunv	isor ring wheel rim			(25) Left side window glass or frame (26) Left side window glass including		Child safety seat (s	pecify):
(05) Stee (06) Stee	ring wheel hub/spok ring wheel (combins des 04 and 05)		one or n frame, v	nore of the following: vindow sill, A (A1/A2)-pillar, or roof side rail.	(49)	Other interior object	t (specify):
(07) Stee	ring column, transmitor lever, other atta on equipment (é.g.,	chment		ft side object (specify):		Front header Rear header	

- (08) Add on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only)
- (16) Driver side air bag compartment cover
- (17) Passenger side air bag compartment cover
- (18) Windshield reinforced by exterior object (specify):
- (19) Other front object (specify):

### LEFT SIDE

- (20) Left side interior surface, excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A (A1/A2)-pillar

### RIGHT SIDE

- (30) Right side interior surface, excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A (A1/A2)-pillar
- (33) Right B-pillar
- (34) Other right pillar (specify):
- Right side window glass or frame
- (36)Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B pillar, or roof side rail.
- (37) Other right side object (specify):
- (38) Right side window sill

### INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar attachment point
- (43) Other restraint system component (specify):
- (44) Head restraint system
- (45) Air bag (use codes "16" and "17" for injuries sustained from air bag compartment covers)

- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

### **FLOOR**

- (56) Floor (including toe pan)
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

### REAR

- (60) Backlight (rear window)
- Backlight storage rack, door, etc. (61)
- Other rear object (specify): (62)

### **CONFIDENCE LEVEL OF** CONTACT POINT

- (1) Certain
- (2) Probable
- (3) Possible
- (9) Unknown

### **AUTOMATIC RESTRAINTS** NOTES: Encode the data for each applicable front seat position. The attribute for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form. **AIR BAGS** Right Left Availability/Function 4 Deployment R S **Failure** Did Air Beg System Fail? Air Beg System Availability/Function Air Beg System Deployment (0) Not equipped/not available (O) Not equipped/not available (O) Not equipped/not available (1) Air bag deployed during accident (1) Air bag Yes (specify): (as a result of impact) (2) (2) Air bag deployed inadvertently just Non-functional (9) Unknown (2) Air bag disconnected (specify): prior to accident (3) Air bag deployed, accident sequence (3) Air bag not reinstalled undetermined. (4) Nondeployed (9) Unknown (5) Unknown if deployed (6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (9) Unknown **AUTOMATIC BELTS** Right Left Availability/Function F Use R Type S **Proper Use** Ť **Failure Modes** Automatic (Passive) Belt Failure Modes Proper Use of Automatic (Passive) Belt Automatic (Passive) Beit System **Availability/Function** System **During Accident** (0) Not equipped/not available/not in use (0) Not equipped/not available/not used (O) Not equipped/not available (1) 2 point automatic belts (1) Automatic belt used properly (1) No automatic belt failure(s) (2) Torn webbing (stretched webbing not (2) 3 point automatic belts (2) Automatic belt used properly with included) (3) Automatic belts - type unknown child safety seat (3) Broken buckle or latchplate Automatic Belt Used Improperly (4) Upper anchorage separated Non-functional (5) Other anchorage separated (specify): (4) Automatic belts destroyed or (3) Automatic shoulder belt worn under rendered inoperative arm (4) Automatic shoulder belt worn behind (6) Broken retractor (9) Unknown (7) Combination of above (specify): back (8) Other automatic belt failure (specify): Automatic (Passiva) Belt System Use (5) Automatic belt worn around more (O) Not equipped/not available/destroyed than one person (9) Unknown or rendered inoperative (6) Lap portion of automatic belt worn (1) Automatic belt in use on abdomen (2) Automatic belt not in use (manually (7) Automatic lap and shoulder belt or automatic shoulder belt used disconnected, motorized track inoperative) improperty (3) Automatic belt use unknown with child safety seat (specify): (9) Unknown (8) Other improper use of automatic belt Automatic (Passive) Belt System Type system

(specify):

(9) Unknown

(O) Not equipped/not available

(1) Non-motorized system

(2) Motorized system .

(9) Unknown

# MANUAL RESTRAINTS

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for the variable may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Ocupant Assessment Form.

If a Child safety seat is present, encode the data on the back of this page.

If the vehicle has automatic restraints available, encode the appropriate data on the back of the previous page.

	page.	Left	Center	Right
F	Availability	04	0	4
RS	Use	1	00	00
S	Failure Modes		•	0
Ş	Availability	4	3	4
<b>WECOZO</b>	Use	0,0	00	00
Ň	Failure Modes	0	O	0
T	Availability			
H	Use			
R D	Failure Modes			
Q	Availability			
H	Use			
E R	Failure Modes			

### Manual (Active) Belt System Availability

- (0) None available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available type unknown

### Integral Belt Partially Destroyed

- (6) Shoulder belt (lap belt destroyed/removed)
- (7) Lap belt (shoulder belt destroyed/removed)
- (8) Other belt (specify):
- (9) Unknown

### Manual (Active) Belt System Use

- (00) None used, not available, or belt removed/destroyed
- (O1) Inoperable (specify):
- (02) Shoulder belt
- (03) Lap belt
- (04) Lap and shoulder belt
- (05) Belt used type unknown

- (08) Other belt used (specify):
- (12) Shoulder belt used with child safety seat
- (13) Lap belt used with child safety seat
- (14) Lap and shoulder belt used with child safety seat
- (15) Belt used with child safety seat type unknown
- (18) Other belt used with child safety seat (specify):
- (99) Unknown if belt used

### Manual (Active) Belt Failure Modes During Accident

- (0) No manual belt used or not available
- (1) No manual belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify):
- (6) Broken retractor
- (7) Combination of above (specify):
- (8) Other manual belt failure (specify):
- (9) Unknown

Cl	HILD SAFET	TY SEAT F	IEL	D ASSE	SSMENT			
When a child safety seat is prothe occupant's number using	esent enter the the codes liste	occupant's ned below. Co	umbo	er in the firete a colur	rst row and co nn for each cl	mplete the col hild safety sea	umn below t present.	
			r ·	1,				
Occupant Number								
Type of Child     Safety Seat								
2. Child Safety Seat Orientation				//	,			
3. Child Safety Seat Harness Usage								
4. Child Safety Seat Shield Uasge								
5. Child Safety Seat Tether Usage								
6. Child Safety Seat Make/Model		Speci	fy Be	low for E	ach Child Safe	ety Seat		
Type of Child Safety Sea	t		3.	Child Saf	ety Seat Harn	ess Usage		
(0) No child safety seat			4.	Child Saf	ety Seat Shie	ld Usage		
(1) Infant seat (2) Toddler seat					•			
(3) Convertible seat			5.	Child Saf	ety Seat Teth	er Usage \re Used for V	oriobles 2.5	
(4) Booster seat				•			anabies 3-5.	
(7) Other type child safe	ty seat (specify	y):		(00) No	child safety s	eat		
(8) Unknown child safet (9) Unknown if child safe		<del></del>		(01) Aft	gned with Har er market har led, not used	rness/Shield/To ness/shield/tet	ether her	
2. Child Safety Seat Orienta	ation			(02) Aft	er market hari	ness/shield/tet		
(00) No child safety sea	t			(03) Chi	id satety seat ness/shield/te	used, but no ther added	arter market	
Designed for Rear Facing This Age/Weight	for			(09) Uni		ess/shield/teth	er	
(01) Rear facing (02) Forward facing				Designed	With Harnes	s/Shield/Tethe	r	
(08) Other orientation (s	pecify):					ther not used		
		_			ness/shield/te			
(09) Unknown orientation	on ·			(19) OU	known it narn	ess/shield/teth	ei nagn	
Designed for Forward Fa	cing for This			Unknown	n If Designed	With Harness/	Shield/Tether	
Age/Weight						ther not used		
(11) Rear facing					ness/shield/te	ither used ess/shield/teth	ar usad	
(12) Forward facing (18) Other orientation (s	pecify):			(29) Uni	CHOWII II HAITI	622/211161U/(6111	161 U36U	
		_		(99) Uni	known if child	safety seat u	sed	
(19) Unknown orientation	on		e	CPild C-4	ety Seat Mak	e/Model		
Unknown Design or Orie Age/Weight, or Unknow		s	о.			and occupant	number)	
(21) Rear facing	<u> </u>							
(22) Forward facing	manife de							
(28) Other orientation (s	респу):							
(29) Unknown orientation	on							
(99) Unknown if child sa	afety seat used	1						

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# HEAD RESTRAINTS/SEAT EVALUATION

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for these variables may be found at the bottom of the page. Head restraint type/damage and seat type/performance should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

		Left	Center	Right
F	Head Restraint Type/Damage	3	5	3.
	Seat Type	02	00	02
	Seat Performance	446	0	. 1
	Seat Orientation	,	0	0
;	Head Restraint Type/Damage			
	Seat Type			
	Seat Performance	-		
5	Seat Orientation			
г	Head Restraint Type/Damage			
· [	Seat Type			
\ \[ \]	Seat Performance			
	Seat Orientation		·	
	Head Restraint Type/Damage			
Ť H	Seat Type			
E	Seat Performance			
R	Seat Orientation			

### Head Restraint Type/Damage by Occupant at This **Occupant Position**

- (0) No head restraints
- (1)
- Integral no damage Integral damaged during accident (2)
- (3) Adjustable no damage
   (4) Adjustable damaged during accident
- (5) Add-on no damage
- Add-on damaged during accident (6)
- (8) Other Specify):
- (9) Unknown

### Seat Type (this Occupant Position)

- (00) Occupant not seated or no seat
- **Bucket** (01)
- (02) Bucket with folding back
- (03)Bench
- Bench with separate back cushions (04)
- (05) Bench with folding back(s)
- (06) Split bench with separate back cushions

ひりゃ

- Split bench with folding back(s) (07)
- (08) Pedestal (i.e., column supported)
- (09) Other seat type (specify):
- Box mounted seat (i.e., van type) (10)
- (99) Unknown

### Seat Performance (this Occupant Position)

- (0) Occupant not seated or no seat
- (1) No seat performance failure(s)
- (2) Seat adjusters failed
- (3) Seat back folding locks or "seat back" failed specify:
- (4) Seat tracks/anchors failed
- (5) Deformed by impact of occupant
- Deformed by passenger-compartment intrusion (specify):
- (7) Combination of above (specify):
- (9) Unknown

### Seat Orientation (this Occupant Position)

- (0) Occupant not seated or no seat
- (1) Forward facing seat
- (2) Rear facing seat

(8) Other (specify):

- (3) Side facing seat (inward)
- Side facing seat (outward) (4)
- (8) Other (specify):
- (9) Unknown

### DESCRIBE ANY INDICATION OF ABNORMAL OCCUPANT POSTURE (I.E., UNUSUAL OCCUPANT CONTACT PATTERN)

	3	JECTION/	ENTRAPI	JENT DA	TA			
	owing if the researc					ejected fr	om or entra	pped
EJECTION  Describe indication	No [X], Yes [ ]	•	volved in pa	artial ejection	n(s):			
Occup	ant Number							
Ejectio					·	·		
• • • • • • • • • • • • • • • • • • • •	n Area							
	n Medium 							
Ejection (1) Complete ej (1) Partial eject (3) Ejection, Ur (9) Unknown  Ejection Area (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear	ion	(9) Unknown (1) Door/ (2) Nonfi	edium hatch/tailga xed roof str	ecify): 	(8) O (9) U Medium to Impa (1) O (2) C (3) In	nknown Status (la oct) pen	m (specify) 	
	No [ ] Yes			CONSOL				
(Note in vehicle in								

National Accident Sampling System-Crashworthiness Data System: Occupant Assessment Form

		HEAD RESTRAIN	T AN	D SEAT EVALUATION	
25.	at T (0) (1) (2) (3) (4) (5)		3	27. Seat Performance (this Occupant Position) (0) Occupant not seated or no seat (1) No seat performance failure(s) (2) Seat adjusters failed (3) Seat back folding locks or "seat back" (4) Seat track/anchors failed (5) Deformed by impact of occupant (6) Deformed by passenger compartment is (specify):  \$\sum_{\text{SQUASHED}} \text{By}\$	ntrusion
	(9)	Unknown		(7) Combination of above (specify):	
			2	(8) Other (specify):	
26.	(00) (01) (02) (03) (04) (05) (06) (07) (08) (09)	t Type (this Occupant Position) Occupant not seated or no seat Bucket Bucket with folding back Bench Bench with separate back cushions Bench with folding back(s) Split bench with separate back cushions Split bench with folding back(s) Pedestal (i.e., column supported) Other seat type (specify):  Box mounted seat (i.e., van type) Unknown		(9) Unknown	

BEST AVAILABLE COPY

Form Approved O.M.B. No. 2127-0021

National Highway Traffic Safety Administration

# OCCUPANT INJURY FORM

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

- 1. Primary Sampling Unit Number
- 3. Vehicle Number

2. Case Number - Stratum

4. Occupant Number

# INJURY DATA-

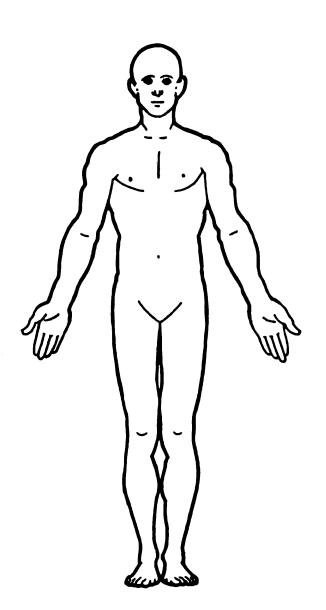
Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

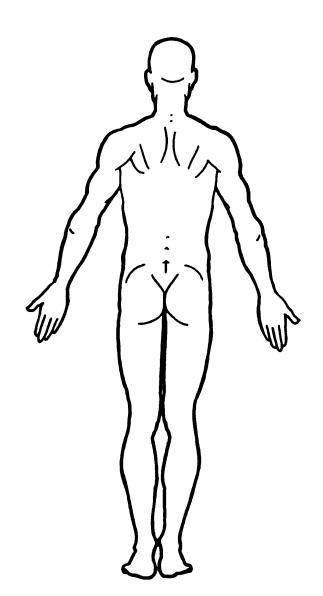
				0.I.C.	-A.I.S				Injury		Occupant
	Source of Injury Data	Body Region	Type of Anatomic Structure	Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Source Confidenc Level	Injury	Number
1 st								12. <u>20</u>			
2nd								23. <u>20</u>			
3rd								34. <u>20</u>			
4th								45. 20			
5th								56.20			
6th								67. <u>20</u>			
1								78. <b>2</b> 0			
8th	82.2	83. 4	84. 4	85. <u>06</u>	86. <u>04</u>	87. 3	88. 🙎	89. 20	90. 1	912	92. <u>08</u>
9th	93.2	94. 5	95. 4	96. <u>42</u>	97. <u>28</u>	98. 5	99. <u>A</u>	100. <u>20</u>	101. 1	102.2	103. <u>08</u>
10th	104. 2	105.51	06. 4	107. 16	10828	109. 5	110.2	111.20	112	1132	114. <u>08</u>

	·			OCCL	JPANT I	NJURY	DATA-		Injury		Occupant
	Source of Injury Data	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Source Confidence Level	Direct/ Indirect Injury	Area Intrusion Number
11th	<u></u>	<u>5</u>	4	38	00	3	8	20	1	2	0.8
12th	2	5	2	14	80	4	2	20	1	2	08
13th											
14th			مغلوب						_		
15th											
16th	-			ACCRETATION ASSESSMENT			<u></u>	<u></u>			
17th											
18th								حصب مصيب			
19th											
20th	_										
21st											
22nd	_										
23rd		· .					······································				
24th											
25th											

# OFFICIAL INJURY DATA — SOFT TISSUE INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





### **SOURCE OF INJURY DATA** (61) Backlight storage rack, door, etc. (25) Left side window glass or frame (62) Other rear object (specify): **OFFICIAL** (26) Left side window glass including one or more of the following: (1) Autopsy records with or without hospital/ frame, window sill, A (A1/A2)-pillar, medical records EXTERIOR of OCCUPANT'S VEHICLE B-pillar, or roof side rail. (2) Hospital/medical records other than (27) Other left side object (specify): (65) Hood emergency room (e.g., discharge (66) Outside hardware (e.g., outside summary) (28) Left side window sill mirror, antenna) (3) Emergency room records only (including Other exterior surface or tires associated X-rays or other lab reports) (67)(specify): (4) Private physician, walk-in or emergency RIGHT SIDE (30) Right side interior surface, (68) Unknown exterior objects clinic excluding hardware or armrests EXTERIOR OF OTHER MOTOR VEHICLE (31) Right side hardware or armrest UNOFFICIAL (32) Right A (A1/A2)-pillar (70) Front bumper (5) Lay coroner report (33) Right B-pillar (71) Hood edge (6) E.M.S. personnel (72) Other front of vehicle (specify): (34) Other right pillar (specify): Interviewee (8) Other source (specify): (73) Hood (35) Right side window glass or frame (74) Hood ornament Right side window glass including (9) Police (75) Windshield, roof rail, A-pillar one or more of the following: frame, window sill, A (A1/A2)-pillar, (76) Side surface B-pillar, or roof side rail. INJURY SOURCE (77) Side mirrors (37) Other right side object (specify): (78) Other side protrusions (specify) **FRONT** (01) Windshield (38) Right side window sill (79) Rear surface (O2) Mirror Undercarriage (80) (03) Sunvisor (81) Tires and wheels INTERIOR (O4) Steering wheel rim Other exterior of other motor vehicle (40) Seat, back support (82)(05) Steering wheel hub/spoke Steering wheel (combination (41) Belt restraint webbing/buckle (specify): (06) of codes 04 and 05) (42) Belt restraint B-pillar or door frame (83) Unknown exterior of other motor vehicle attachment point Steering column, transmission (07) (43) Other restraint system component selector lever, other attachment (specify): OTHER VEHICLE OR OBJECT IN THE (08) Add on equipment (e.g., CB, tape **ENVIRONMENT** (44) Head restraint system deck, air conditioner) (45) Air bag (use codes "16" and "17" for injuries (84) Ground Left instrument panel and below (85) Other vehicle or object (specify) (10) Center instrument panel and below sustained from air bag compartment covers) (11) Right instrument panel and below (46) Other occupants (specify): (86) Unknown vehicle or object (12) Glove compartment door (47) Interior loose objects (13) Knee bolster NONCONTACT INJURY (48) Child safety seat (specify): (14) Windshield including one or more (90) Fire in vehicle of the following: front header, (91) Flying glass (49) Other interior object (specify): A (A1/A2)-pillar, instrument panel, (92) Other noncontact injury source mirror, or steering assembly (driver (specify): side only) (93) Air bag exhaust gases (15) Windshield including one or more ROOF (97) Injured, unknown source (50) Front header of the following: front header, (51) Rear header A (A1/A2)-pillar, instrument panel, or (52) Roof left side rail mirror (passenger side only) INJURY SOURCE CONFIDENCE (16) Driver side air bag compartment cover (53) Roof right side rail LEVEL (17) Passenger side air bag compartment cover (54) Roof or convertible top (1) Certain (18) Windshield reinforced by exterior object Probable (2) FLOOR (specify): Possible (3) (19) Other front object (specify): (56) Floor (including toe pan) (9) Unknown (57) Floor or console mounted transmission lever, including console DIRECT/INDIRECT INJURY LEFT SIDE (20) Left side interior surface, (58) Parking brake handle Direct contact injury (59) Foot controls including parking Indirect contact injury (2)

- excluding hardware or armrests
- (21) Left side hardware or armrest
- (22) Left A (A1/A2)-pillar
- (23) Left B-pillar
- (24) Other left pillar (specify):

brake

### REAR

(60) Backlight (rear window)

### OCCUPANT INJURY CLASSIFICATION

### **Body Region**

- Head (2) Face
- (3) Neck
- (4) (5) Thorax
- Abdomen
- (6) Spine
- **Upper Extremity**
- Lower Extremity
- (8) Unspecified

### Type of Anatomic Structure

- Whole Area (1)
- Vessels (3) Nerves
- Organs (includes muscles/ (4)ligaments)
- Skeletal (includes joints)
- (6) Head - LOC
- (9) Skin

### Specific Anatomic Structure

- Whole Area (02) Skin Abrasion (04) Skin Contusion
- (06) Skin Laceration
- (08) Skin Avulsion
- Amputation
- (20) Burn
- (30) Crush
- Degloving
- injury NFS
- Trauma, other than mechanical

### Head - LOC

- (02) Length of LOC
- (04, 06, 08) Level of Consciousness
- (10) Concussion

- (02) Cervical
- (04) Thoracic
- (06) Lumbar

# Vessels, Nerves, Organs. Bones, Joints are assigned consecutive two digit numbers beginning with 02

### Level of Injury

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

### Abbreviated Injury Scale

- Minor injury
- Moderate injury
- Serious injury
- Severe injury
- Critical injury
  Maximum (untreatable) (5) (6)
- Injured, unknown severity

### Aspect

Noncontact injury

Injured, unknown source

(3)

(7)

- Right
- Left
- Bilateral
- Central
- Anterior
- Posterior
- (6) (7) Superior
- Inferior
- Unknown
- Whole region

# OFFICIAL INJURY DATA - SKELETAL INJURIES

Restrained?

\_\_ No

\_ Yes

**Blood Alcohol** 

BAL =

Level (mg/dl)

Glasgow Coma Scale Score

GCSS =

Units of Blood Given

Units = 39

**Arterial Blood** Gases

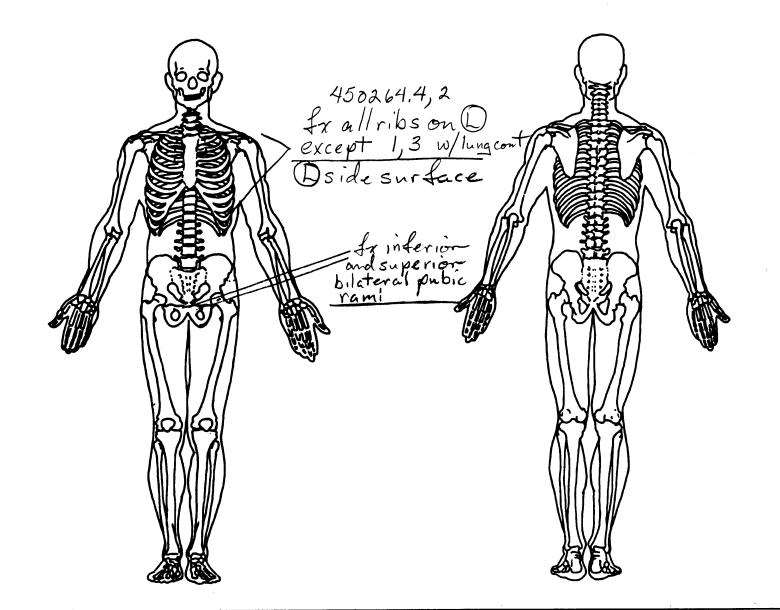
pH = 7.2

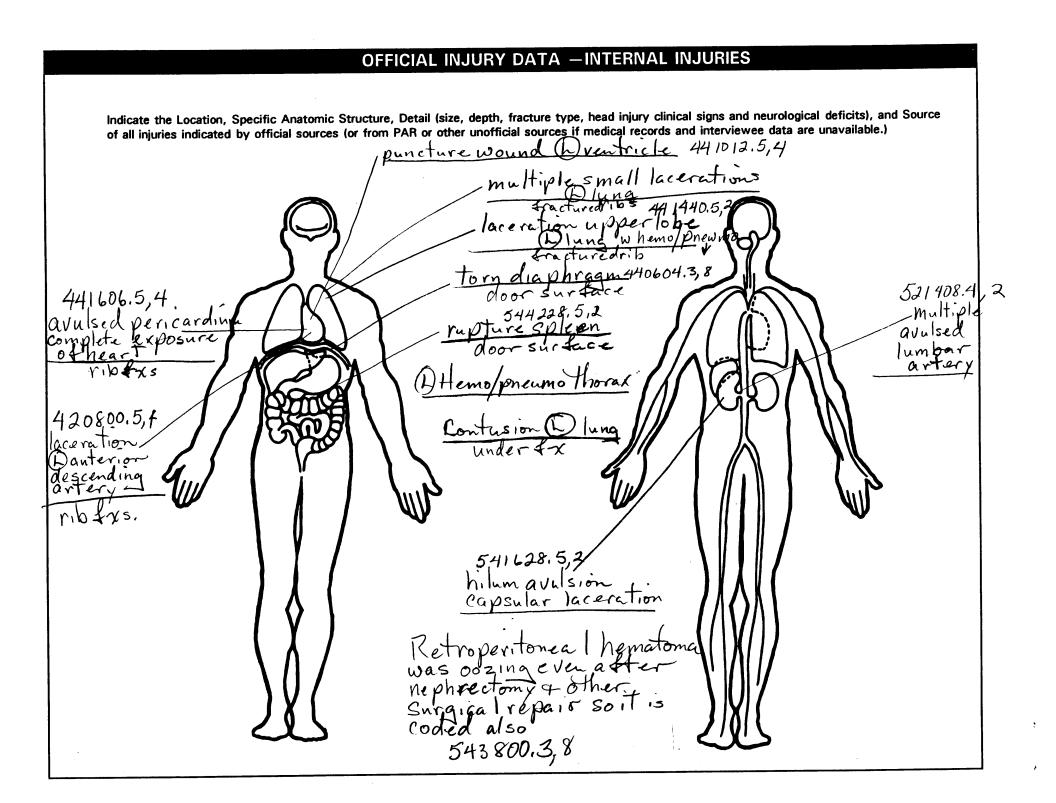
PO2= 240

PCO<sub>2</sub> 42

нсо, 15

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





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U.S. Department of Transportation

CRASHPC PROGRAM SUMMARY

PROGRAM SUMMARY

2-C Run

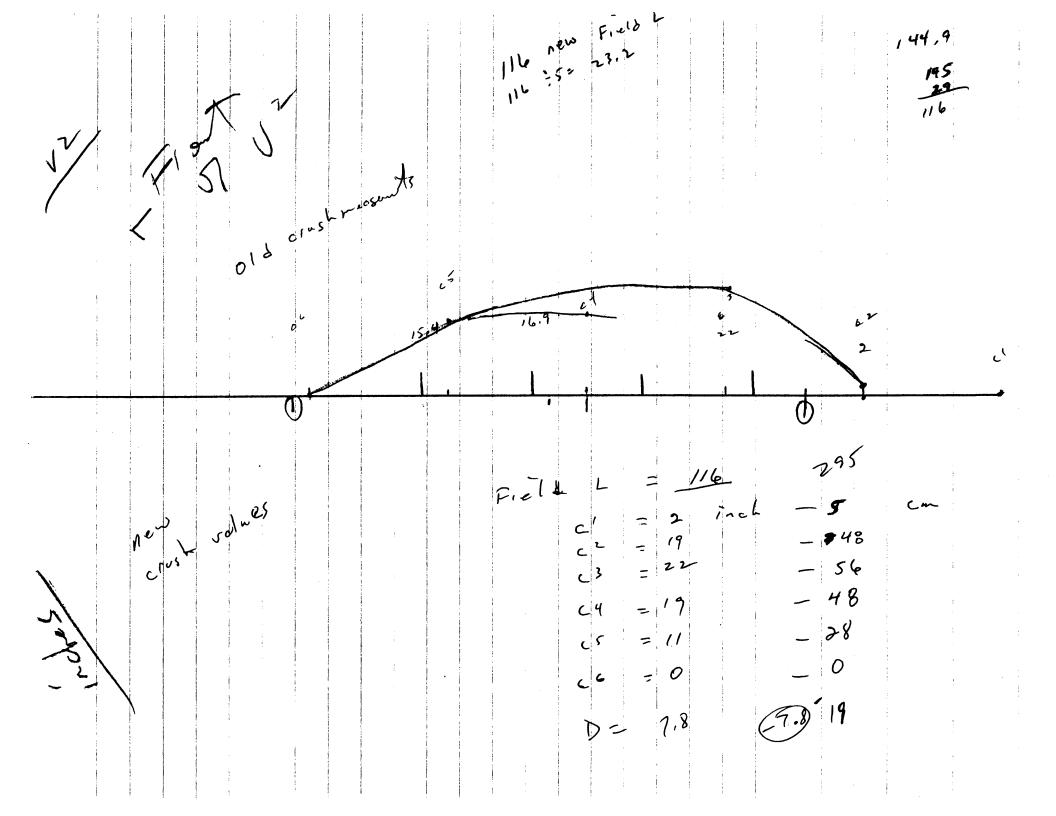
National Highway Traffic Safety

(All Measurements In Metric)

NATIONAL ACCIDENT SAMPLING SYSTEM

dministration		····		CRASHWO	RTHINESS DATA SYSTEM
Identifying Title Primary Sampling Unit	2 Case NoStratum		dent Event Juence No.	Date (Month, day, ye	9 3 ar) of Run
CRASHPC Vehicle Id	dentification				
Vehicle 1	1992	T0707	<u> </u>	Conous	1
Vehicle 2	1993	HONDA		Accorp	
	Year	Make		Model	NASS Veh. No.
		GENERAL INF	ORMATION		
	VEHICLE I			VEHICLE 2	
Size	250	2	Size	147	3
Weight	1.		Weight		
1022 + 20 +	<b>S</b> = // <sup>(</sup>	$\frac{1}{2}$ kg	1240 +	54 + Q = 1	2 9 4 kg
Curb Occupant(s)	Ćargo			pant(s) Cargo	
CDC _	01 F D 6	$=$ $\frac{\omega^2}{\omega^2}$	CDC	10 4	E
PDOF (-180 to +18	0)	200	PDOF (-180 t	co + 180) –	-600
Stiffness		9	Stiffness		70 3 0
		SCENE INFO	RMATION		
	::: 1 1 1 1 Co		9 <b>6440</b> 0000600000000000000000000000000000		
Andrea and the contract of the contract of	sitions [ ] No, Go	TO Damage Inton	mation [ ] Y	gaunu (un 1900)	
	VEHICLE 1   →			VEHICLE 2	_
Rest	x	<u>6</u> .2 m	Rest	x	<u>8</u> <u>5</u> _m
Position	Υ	4 . 5 m	Position	Υ	<u>-/8.5</u> m
	PSI -1	400		PSI -	<u> </u>
lmnact	x -	8 -	lmpact	X	- 4.8 m
Impact Position		<u>。</u> m <b>ュ</b> m	Impact Position	Ŷ	- 2 . 2 m
	PSI 3	<u>+</u> m		PSI -	703 · · ·
Slip Angle(-180 to H			Slip Angle (-1		· · · · · · · · · ·
Slip Anglet 100 to		VEHICLE		00 10 1 1007	
		VEHICLE	VICTOR		
Sustained Contact	********			\/ELUQ1.5.0	
	VEHICLE 1			VEHICLE 2	
Skidding (Rotation)	₹ ] No	Yes Yes	Skidding (Rot	ation) [	] No [X Yes
Skidding Stop Be	efore Rest [大] No	[ ] Yes	Skidding	Stop Before Rest 🔑	<b>(</b> ] No [] Yes
End of Rotation	x	m	End of Ro Position	otation X	m
Position	Υ	m	Position	Υ	m
	PSI	o		PSI	o
Curved Path	[≯] No	[ ] Ye <b>s</b>	Curved Path	ry (	(] No [ ] Yes
Point on Path	.,,,,,,,		Point on F		e i i e i i e i i e e i i e e i i
X	m Y	m		m Y _	m
Rotation Direction Rotation > 360°	[] None [] CW [X] No [] Yes	′ (≯ ccw	Rotation Direct Rotation >	ction [ ] None [ ] 360° [ <b>X</b> ] No [ ]	•

FRICTION INFORMATION	TRAJECTORY INFORMATION
	Trajectory Data: [ ] No [ ] Yes
Coefficient of Friction . <u>4)</u> Rolling Resistance Option	/ If No, Go To Damage Information
Colling Resistance Option	Vehicle 1 Steer Angles
Vehicle 1 Rolling Resistance	0 85
LF .65 RF .4	LF ° RF ° RR °
Vehicle 1 Rolling Resistance  LF 6 5 RF 4  Party LR 8 RR 0	3
pa ·	Vehicle 2 Steel Aligios
Vehicle 2 Rolling Resistance	LF ° RF ° LR ° RR °
LF 3 <u>o</u> RF 3	
LR <u>0</u>	The second of th
	Terrain Boundary [ ] No [ ] Yes
	First Point
	X m Y m
	Second Point
	Xm Ym
	Secondary Coefficient of Friction
201	A OF INFORMATION
_	AGE INFORMATION  VEHICLE 2  295
VEHICLE 1	G(a)
Damage Length L _/ _5	3 cm Damage Length L 6 cm
c 4 4	cm Crush Depths C, cm
Crush Depths $C_1 = T_2$	3 cm C <sub>2</sub> 5 cm
C,	7 cm C <sub>3</sub> 5 6 cm
	2 cm C. <u>4 3</u> cm
	6 cm C <sub>6</sub> <u>3 9 cm</u>
Damage Offset D +	Ocm Damage Offset D =
IF THIS COMMON IMPACT WAS WITH A MOTO	OR VEHICLE NOT IN TRANSPORT, FILL IN THE INFORMATION BELOW.
Model Year:	The Weight, CDC, Scene Data and Damage Information
1911 0 17 1 1 1 1 141 4	to the late of the property of those
<del></del>	for this vehicle should be recorded above.
Make:	
<del></del>	



48211j

	SPEED CHANGE (DAMAGE)	SPEED CHANGE (LINEAR MOMENTUM AND SPINOUT)	IMPACT SPEED (LINEAR MOMENTUM AND SPINOUT)
VEHICLE #1 TOTAL 4	1 <u>5 KPH</u> ( 28 MPH)	44 KPH ( 27 MPH)	76 KPH ( 47 MPH) /
LONGITUDINAL -4	! <u>4 KP</u> H ( −27 MPH)	- <u>43 KPH ( -27 MPH)</u>	76 KPH ( 47 MPH)
LATITUDINAL -1	2 KPH ( -7 MPH)	-6 KPH ( -4 MPH)	O KPH ( O MPH)
PDOF ANGLE \(\bar{\cap}\)	15 DEGREES	8 DEGREES	
ENERGY DISSIPATED	= (57554 JOULES)(	42444 FT-LB)	
VEHICLE #2		$\overline{}$	
TOTAL	11 KPH ( 25 MPH)	39 KPH ( 24 MPH)	42 KPH ( 26 MPH)
LONGITUDINAL -1	4 KPH ( -9 MPH)	-14 KPH ( -9 MPH)	42 KPH ( 26 MPH)
	38 KPH ( 24 MPH)	37 KPH ( 23 MPH)	O KPH ( O MPH)
PDOF ANGLE	-70 DEGREES	-69 DEGREES	
ENERGY DISSIPATED	= (146328 JOULES) (	107911 FT-LB)	

### SCENE INFORMATION

VEHICLE #1	V	EΗ	1	CL	E	Ħ	1
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### VEHICLE #2 -

IMPACT X-POSITION	-8.0 M. ( -26.3 FT.)	-4.8 M. ( -15.8 FT.)
IMPACT Y-POSITION	-2.0 M. ( -6.6 FT.)	-2.2 M. ( -7.2 FT.)
IMPACT HEADING ANGLE	360 DEGREES	-103 DEGREES
REST X-POSITION	6.2 M. ( 20.3 FT.)	8.5 M. ( 27.9 FT.)
REST Y-POSITION	-4.5 M. ( -14.8 FT.)	-18.5 M. ( -60.7 FT.)
REST HEADING ANGLE	-140 DEGREES	-117 DEGREES
SIDE-SLIP ANGLE	O DEGREES	O DEGREES
DIRECTION OF ROTATION	CCW	CCW
AMOUNT OF ROTATION	<360	<360

### COLLISION AND SEPARATION

|--|

COLLISION

IMPACT X-POSITION -8.0 M. ( -26.3 FT.) -4.8 M. ( -15.8 FT.) -2.0 M. ( -6.6 FT.) IMPACT Y-POSITION -2.2 M. ( -7.2 FT.) IMPACT HEADING ANGLE 360 DEGREES -103 DEGREES

SEPARATION (USING SPINOUT)

33 KPH ( 20 MPH) -6 KPH ( -4 MPH) 28 KPH ( 18 MPH) 37 KPH ( 23 MPH) US VS

-72 DEG/SEC PSISD -33 DEG/SEC

RELATIVE VELOCITY (LINEAR MOMENTUM)

SPEED ALONG LINE THROUGH CG 76 KPH ( 47 MPH) 7 KPH ( 4 MPH) SPEED ORTHOGONAL TO CG LINE 5 KPH ( 3 MPH) 42 KPH ( 26 MPH)

CLOSING VELOCITY (LINEAR MOMENTUM) = 83 KPH ( 52 MPH)

#### DAMAGE DATA ---

	VEHICLE #1	VEHICLE #2						
SIZE CATEGORY	2	3						
STIFFNESS CATEGORY VEHICLE WEIGHT	9 1142 KGS ( 2518 LBS)	3 1274 KGS ( 2809 LBS)						
CDC	01FDEW2	10LYEW4						
PDOF ANGLE	11 DEGREES	-66 DEGREES						
CRUSH LENGTH	153 CM. ( 60 IN.)	295 CM. ( 116 IN.)						
C1	45 CM. ( 18 IN.)	5 CM. ( 2 IN.)						
C2	33 CM. ( 13 IN.)	48 CM. ( 19 IN.)						
C3	29 CM. ( 11 IN.)	56 CM. ( 22 IN.)						
C4	22 CM. ( 9 IN.)	48 CM. ( 19 IN.)						
C5	16 CM. ( 6 IN.)	28 CM. ( 11 IN.)						
C6	16 CM. ( 6 IN.)	0 CM. ( 0 IN.)						
D	0 CM. ( 0 IN.)	-19 CM. ( -7 IN.)						
D,	-14 CM. ( -6 IN.)	-32 CM. ( -12 IN.)						

(\* INDICATES DEFAULT VALUE)

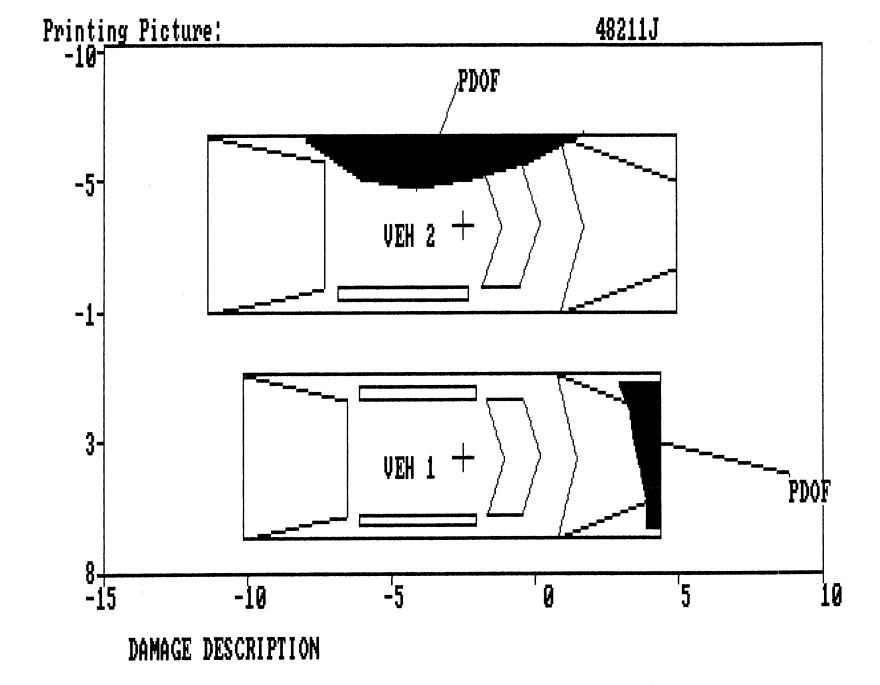
VEHICLE #2

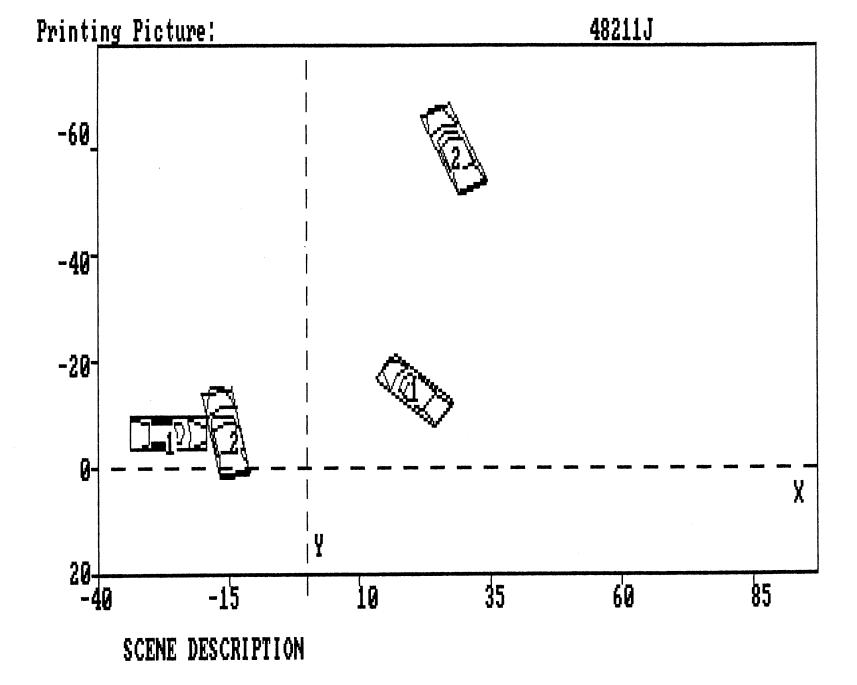
## DIMENSIONS AND INERTIAL PROPERTIES

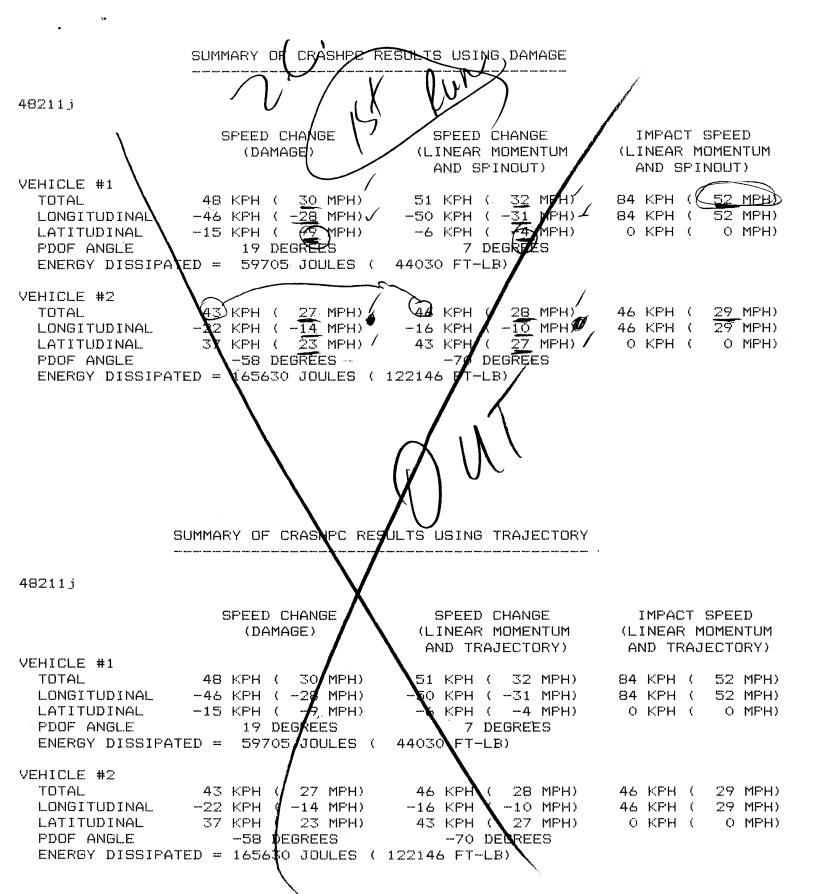
NOT THE THE THE THE COLD WITH CHILD WELL CHI

	VEHICLE #1	VEHICLE #2						
CG TO FRONT AXLE	118 CM. ( 46 IN.)	130 CM. ( 51 IN.)						
CG TO REAR AXLE	127 CM. ( 50 IN.)	141 CM. ( 56 IN.)						
TRACK	139 CM. ( 55 IN.)	150 CM. ( 59 IN.)						
CG TO FRONT OF VEH	212 CM. ( 83 IN.)	228 CM. ( 90 IN.)						
CG TO REAR OF VEH	-233 CM. ( -92 IN.)	-270 CM. (-106 IN.)						
CG TO SIDE OF VEH	85 CM. ( 34 IN.)	92 CM. ( 36 IN.)						
MOMENT OF INERTIA	8764 KGS ( 19320 LBS)	11012 KGS ( 24277 LBS)						
VEHICLE MASS	3 KGS ( 7 LBS)	3 KGS ( 7 LBS)						
ROLLING RESISTANCE								
LEFT FRONT WHEEL	. 65	.30						
RIGHT FRONT WHEEL	.50	.30						
LEFT REAR WHEEL	.03	.03						
RIGHT REAR WHEEL	.03	.03						

COEFFICIENT OF FRICTION = .45







### SCENE INFORMATION

### VEHICLE #1

### VEHICLE #2

IMPACT X-POSITION	-8.0 M. ( -26.2 FT.)	-4.8 M. ( -15.7 FT.)
IMPACT Y-POSITION	-2.0 M. ( -6.6 FT.)	-2.2 M. ( -7.2 FT.)
IMPACT HEADING ANGLE	360 DEGREES	-103 DEGREES
REST X-POSITION	6.2 M. ( 20.3 FT.)	8.5 M. ( 27.9 FT.)
REST Y-POSITION	-4.5 M. ( -14.8 FT.)	-18.5 M. ( -60.7 FT.)
REST HEADING ANGLE	-140 DEGREES	-117 DEGREES

SIDE-SLIP ANGLE DIRECTION OF ROTATION AMOUNT OF ROTATION O DEGREES CCW <360 O DEGREES CCW <360

# COLLISION AND SEPARATION

COLLISION	VEHICLE #1	VEHICLE #2							
IMPACT X-POSITION IMPACT Y-POSITION IMPACT HEADING ANGLE	-8.0 M. ( -26.2 FT.) -2.0 M. ( -6.6 FT.) 360 DEGREES	-4.8 M. ( -15.7 FT.) -2.2 M. ( -7.2 FT.) -103 DEGREES							
SEPARATION (USING SPINOUT) US VS PSISD	33 KPH ( 21 MPH) -6 KPH ( -4 MPH) -90 DEG/SEC	31 KPH ( 19 MPH) 43 KPH ( 27 MPH) -40 DEG/SEC							
RELATIVE VELOCITY (LINEAR MO SPEED ALONG LINE THROUGH C SPEED ORTHOGONAL TO CG LIN	:G 83 KPH ( 52 MPH) IE 5 KPH ( 3 MPH)	8 KPH ( 5 MPH) 46 KPH ( 28 MPH)							
CLOSING VELOCITY (LINEAR MOM	IENTUM) = 91 KPH ( 57 MPH)								

# TRAJECTORY SIMULATION RESULTS

SIMULATION TIME = 22.000	SECONDS INTEGRATION STEP	e .125 SECONDS
	VEHICLE #1	VEHICLE #2
NUMBER OF ITERATIONS	1	<u>i</u>
BEST ITERATION	1	1
ERROR	1.013	<b>6.</b> 105
PREDICTED REST POSITION	x .o M. ( .o FT.)	.o m. ( .o FT.)
	YO M. ( .O FT.)	.O M. ( .O FT.)
ANGL	_E O DEGREES	O DEGREES
SCENE REST POSITION	x 6.2 M. ( 20.3 FT.)	8.5 M. ( 27.9 FT.)
	Y -4.5 M. ( -14.8 FT.)	-18.5 M. ( -60.7 FT.)
ANGL	_E —140 DEGREES	-117 DEGREES
RESIDUAL LINEAR VELOCITY RESIDUAL ANGULAR VELOCITY	O KPH ( O MPH) .OO DEG/SEC	O KPH ( O MPH) .OO DEG/SEC

# DAMAGE DATA

	VEHICLE #1	VEHICLE #2
SIZE CATEGORY	2	3
STIFFNESS CATEGORY	9	3 1274 KGS ( 2809 LBS)
VEHICLE WEIGHT	1142 KGS ( 2518 LBS) 01FDEW2	12/4 NGS ( 2607 LBS)
CDC PDOF ANGLE	19 DEGREES	302 DEGREES *
CRUSH LENGTH	153 CM. ( 60 IN.)	368 CM. ( 145 IN.)
C1	45 CM. ( 18 IN.)	O CM. ( O IN.)
C2	33 CM. ( 13 IN.)	5 CM. ( 2 IN.)
C3	29 CM. ( 11 IN.)	56 CM. ( 22 IN.)
C4	22 CM. ( 9 IN.)	43 CM. ( 17 IN.)
C5	16 CM. ( 6 IN.)	39 CM. ( 15 IN.)
C6	16 CM. ( 6 IN.)	0 CM. ( 0 IN.)
D	O CM. ( O IN.)	4 CM. ( 2 IN.)
D'	-14 CM. ( -6 IN.)	27 CM. ( 11 IN.)

(\* INDICATES DEFAULT VALUE)

## DIMENSIONS AND INERTIAL PROPERTIES

 -	 	 -	****	• •	•	•	 ****	-	• •	 •	•	•	•		•	 -	•	T	 •	4.	-	

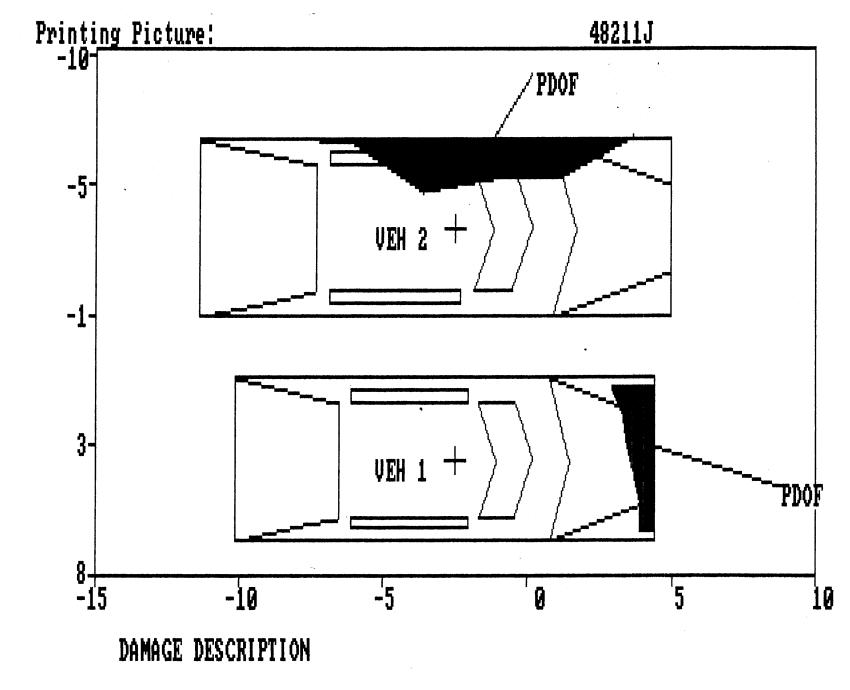
	VEHICLE #1	VEHICLE #2					
CG TO FRONT AXLE	118 CM. ( 46 IN.)	130 CM. ( 51 IN.)					
CG TO REAR AXLE	127 CM. ( 50 IN.)	141 CM. ( 56 IN.)					
TRACK	139 CM. ( 55 IN.)	150 CM. ( 59 IN.)					
CG TO FRONT OF VEH	212 CM. ( 83 IN.)	228 CM. ( 90 IN.)					
CG TO REAR OF VEH	-233 CM. ( -92 IN.)	-270 CM. (-106 IN.)					
CG TO SIDE OF VEH	85 CM. ( 34 IN.)	92 CM. ( 36 IN.)					
MOMENT OF INERTIA	8762 KGS ( 19318 LBS)	11011 KGS ( 24274 LBS)					
VEHICLE MASS	3 KGS .( 7 LBS)	3 KGS ( 7 LBS)					
ROLLING RESISTANCE							
LEFT FRONT WHEEL	1.00	.30					
RIGHT FRONT WHEEL	1.00	.30					
LEFT REAR WHEEL	.03	.03					
RIGHT REAR WHEEL	٥٦	OR					

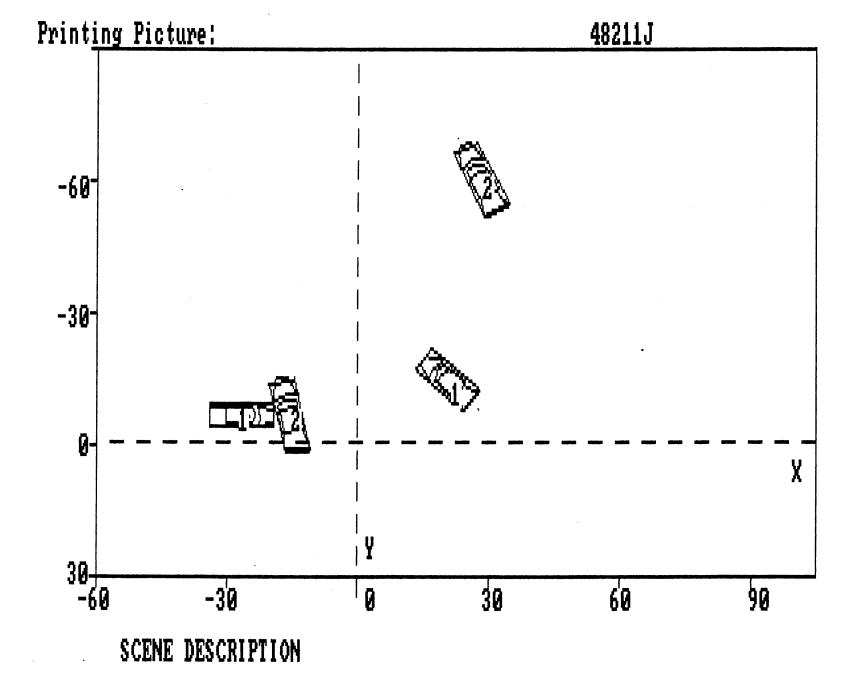
COEFFICIENT OF FRICTION = .50

# DAMAGE DATA

	VEHICLE #1	VEHICLE #2
SIZE CATEGORY	2	3
STIFFNESS CATEGORY	9	3
VEHICLE WEIGHT	1142 KGS ( 2518 LBS)	1274 KGS ( 2809 LBS)
CDC	01FDEW2	10LYEW4
PDOF ANGLE	19 DEGREES	302 DEGREES *
CRUSH LENGTH	153 CM. ( 60 IN.)	368 CM. ( 145 IN.)
C1	45 CM. ( 18 IN.)	O CM. ( O IN.)
C2	33 CM. ( 13 IN.)	5 CM. ( 2 IN.)
C3	29 CM. ( 11 IN.)	56 CM. ( 22 IN.)
C4	22 CM. ( 9 IN.)	43 CM. ( 17 IN.)
C5	16 CM. ( 6 IN.)	39 CM. ( 15 IN.)
C6 ·	16 CM. ( 6 IN.)	0 CM. ( 0 IN.)
D	0 CM. ( 0 IN.)	4 CM. ( 2 IN.)
D,	-14 CM. ( -6 IN.)	27 CM. ( 11 IN.)

(\* INDICATES DEFAULT VALUE)





U.S. Department of Transportation

## CRASHPC PROGRAM SUMMARY

National Highway Traffic Safety Administration	(All Measurements in Metric)	CRASHWORTHINESS DATA SYSTEM
Identifying Title  Primary Sampling Unit  Z Case NoStrate	Accident Event Sequence No.	Date (Month, day, year) of Run
CRASHPC Vehicle Identification		
Vehicle 1 1992	TOTOTA	Corous
Vehicle 2 1993	HONDA	Accord 2
Year	Make	Model NASS Veh. No.
	GENERAL INFORMATION	
VEHICLE !		VEHICLE 2
Size 250	_2_ Size	147 <u>3</u>
Weight 60 //	Weight	2 1294
1022 + 50 +	$\frac{4}{2}$ kg $\frac{1240}{\text{Curb}} + \frac{5}{\text{Occupa}}$	$\frac{4}{4} + \frac{0}{Cargo} = \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2}$ kg
coc of F D	EW2 CDC	10 LY EWY
PDOF (-180 to +180) +	2 0° PDOF (-180 to	+ 180) + <u>- 60°</u>
Stiffness	Stiffness	
	SCENE INFORMATION	
Rest and Impact Positions [ ] No. 6		
VEHICLE 1	o To Daniage Information	VEHICLE 2
<u>-</u>		
Rest X	m Rest Position	X m m
Y	m o	PSI °
Impact X	m	X m m
Y	· m 。	Y m PSI . °
Slip Angle(-180 to +180)		
Slip Aligiet 100 to 1,100,	VEHICLE MOTION	
Sustained Contact [V] No. [] Ves		
Sustained Contact [X] No [ ] Yes  VEHICLE 1	•	VEHICLE 2
	No [Ⅺ Yes Skidding (Rota	48. <b>A</b>
Skidding (Rotation)  Skidding Stop Before Rest  [X]		Stop Before Rest [X] No [ ] Yes
,		•
Position	m End of Rot Position	tation X m
Y	m o	Y m PSI °
	No I I Yes Curved Path	· ·
Point on Path  X m Y	Point on P. . m X	ath m   Y m
		tion [] None [] CW [ CCW
Rotation Direction [ ] None [ ] (		tion [ ] None [ ] Yes
Rotation >360° [ XI No [ ] Ye	nutation /3	100 CALINO C 1 103

FRICTION INFORMATION	TRAJECTORY INFORMATION
	Trajectory Data [XI No [ ] Yes
Coefficient of Friction  Rolling Resistance Option	If No. Go To Damage Information
Nothing Medication option , , , o	Vehicle 1 Steer Angles
Vehicle 1 Rolling Resistance	
LF / . O _ RF / . O RF O _ 3	LF ° RF ° CRF
LR <u>O 3</u> RR <u>O 3</u>	
	Vehicle 2 Steer Angles
Vehicle 2 Rolling Resistance	LF ° RF ° LR °
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	LR ° RR °
LR : <u>U J</u> NN : <u>U J</u>	Thurst Downstown I 1840 [ ] Vos
	Terrain Boundary [ ] No [ ] Yes
	First Point
	X m Y m
	Second Point
	X
	Secondary Coefficient of Friction
DAMAGE: II	NFORMATION
VEHICLE 1	VEHICLE 2
VEHICLE 1  Damage Length L / 5 3 cm	VEHICLE 2  Damage Length L 3 6 8 cm
Damage Length L _/ 5 3 cm	Damage Length L 3 68 cm
Damage Length L _/ 5 3 cm	Damage Length L 3 68 cm
Damage Length $ \begin{array}{ccccccccccccccccccccccccccccccccccc$	Damage Length       L       3       6       8       cm         Crush Depths       C,
Damage Length L _/ 5 3 cm	Damage Length       L       3       6       8       cm         Crush Depths       C,
Damage Length $ \begin{array}{ccccccccccccccccccccccccccccccccccc$	Damage Length L $3 6 6 cm$ Crush Depths C, $5 cm$ C, $5 cm$ C, $6 cm$
Damage Length $ \begin{array}{ccccccccccccccccccccccccccccccccccc$	Damage Length  L 3 6 6 cm  Crush Depths  C, 5 cm  C, 5 cm  C, 4- 3 cm
Damage Length  L	Damage Length L $3 6 6 cm$ Crush Depths C, $5 cm$ C, $5 cm$ C, $6 cm$
Damage Length  L	Damage Length  L $368$ cm  Crush Depths  C,
Damage Length       L       1       5       3       cm         C1       4       5       cm         C2       3       3       cm         C3       2       9       cm         C4       2       2       cm         C6       1       6       cm         C6       1       6       cm         D =       cm       cm	Damage Length  L $3$ $6$ $8$ cm  Crush Depths  C,
Damage Length         L         / 5 3 cm           Crush Depths         C,	Damage Length  Crush Depths  Cq
Damage Length  L / 5 3 cm  Crush Depths  C1 4 5 cm  C2 3 3 cm  C3 2 9 cm  C4 2 2 cm  C5 / 6 cm  C6 / 6 cm  C9 / 6 cm	Damage Length  Crush Depths  C1  C2  5 cm  C3  C4  C4  C6  C6  C9  CM  CA  CA  CA  CA  CA  CA  CA  CA  CA
Damage Length         L         / 5 3 cm           Crush Depths         C,	Damage Length  Crush Depths  Cq
Damage Length         L         / 5 3 cm           Crush Depths         C, 4 5 cm           C, 2 9 cm           C, 2 9 cm           C, 6 / 6 cm           C, 7 6 cm           C, 7 6 cm           C, 6 / 6 cm           C, 7 6 cm           Model Year:           Model:	Damage Length  Crush Depths  C1  C2  5 cm  C3  C4  C4  C6  C6  C9  CM  CA  CA  CA  CA  CA  CA  CA  CA  CA
Damage Length         L         / 5 3 cm           Crush Depths         C,	Damage Length  Crush Depths  C1  C2  5 cm  C3  C4  C4  C6  C6  C9  CM  CA  CA  CA  CA  CA  CA  CA  CA  CA
Damage Length         L         / 5 3 cm           Crush Depths         C, 4 5 cm           C, 2 9 cm           C, 2 9 cm           C, 6 / 6 cm           C, 7 6 cm           C, 7 6 cm           C, 7 6 cm           D + 0 cm           IF THIS COMMON IMPACT WAS WITH A MOTOR VEHICE           Model Year:           Make:           Model:           VIN:	Damage Length  Crush Depths  C1  C2  5 cm  C3  C4  C4  C6  C6  C9  CM  CA  CA  CA  CA  CA  CA  CA  CA  CA

Jean

### SUMMARY OF CRASHPC RESULTS USING DAMAGE

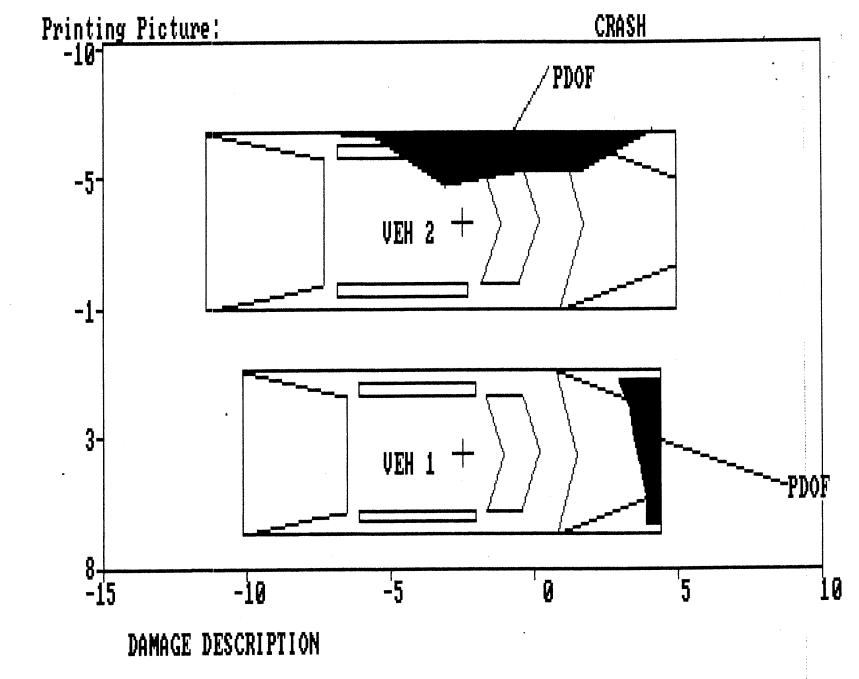
P48 211J SPEED CHANGE (DAMAGE) VEHICLE #1 47 KPH ( 29 MPH) -45 KPH ( -28 MPH) TOTAL LONGITUDINAL -16 KPH ( -10 MPH) LATITUDINAL 20 DEGREES PDOF ANGLE ENERGY DISSIPATED = 60806 JOULES ( 44842 FT-LB) VEHICLE #2 #2 KPH ( 26 MPH) TOTAL LONGITUDINAL (1 KPH ( -13 MPH) KPH ( 23 MPH) LATITUDINAL -60 DEGREES PDOF ANGLE ENERGY DISSIPATED = 160551 TOULES ( 118400) T-LB) DAMAGE DATA VEHICLE #1 VEHICLE #2 SIZE CATEGORY 2 3 STIFFNESS CATEGORY 3 VEHICLE WEIGHT 1142 KGS ( 2518 LBS) 1294 KGS ( 2853 LBS) CDC 01FDEW2 10LYEW4 PDOF ANGLE 20 DEGREES -60 DEGREES 153 CM. ( 60 IN.) CRUSH LENGTH 368 CM. ( 145 IN.) O IN. 18 IN.) 45 CM. ( O CM. ( C1 13 IN.) 5 CM. ( 02 33 CM: ( 2 IN.) C3 29 CM. ( 11 (N.) 56 CM. (C 22 IN.) 17 IN. 5 22 CM. ( Parint) 43 CM. C4 16 CM. ( 6 IN.) 39 CM. 15 IN.) C5 16 CM. /( TO 6 IN.) O CM. ( C6 0' IN. 2. 19 CM. ( 0 IN.) 7 IN.) D O CM. ( -14 CM. ( -6 IN.) 42 CM. ( 16 IN.)

# DIMENSIONS AND INERTIAL PROPERTIES

VEH	ICL	_E	#1
-----	-----	----	----

### VEHICLE #2

CG TO FRONT AXLE	118 CM. ( 46 IN.)	130 CM. ( 51 IN.)
CG TO REAR AXLE	127 CM. ( 50 IN.)	141 CM. ( 56 IN.)
TRACK	139 CM. ( 55 IN.)	150 CM. ( 59 IN.)
CG TO FRONT OF VEH	212 CM. ( 83 IN.)	228 CM. ( 90 IN.)
CG TO REAR OF VEH	-233 CM. ( -92 IN.)	-270 CM. (-106 IN.)
CG TO SIDE OF VEH	85 CM. ( 34 IN.)	92 CM. ( 36 IN.)
MOMENT OF INERTIA	8762 KGS ( 19318 LBS)	11184 KGS ( 24655 LBS)
VEHICLE MASS	3 KGS ( 7 LBS)	3 KGS ( 7 LBS)



```
001720000319217
48211J00010012 936.021000000000101F0203L
                 6.02 000000000924903204JT2AE91A8N 10640960800183102021
48211J01000021
020000100002501472045-044-0090576211
48211J01000022
                 90000000016700
48211J01000031
                 6.02 000000000010201FDEW02
                                                    153045033029022016016
000
                         012430001
48211J01000041
                 6.02 0000000000111100000020000080200000001000000010000000
48211J01000042
                 6.02 000000000
                       0000066180
48211J01010051
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                 10000000101599
48211J02000031
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019
                         012720001
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00001000000001
```

OCCUPANT ASSESSMENT Vehicle: 2 Occupant: 1

### INTRA ERRORS

OHH1281 2 \*\*\*\*\*\* THIS VEHICLE IS INICATED AS HAVING AN AIRBAG. \*\*\*\*\*

HH1282 \*\*\*\*\* CHECK YOUR DATA AND IF CORRECT, NOTIFY YOUR ZONE \*\*\*\*\*\*

HH1283 AIR BAG AVAILABILITY/FUNCTION OA21 equals 1-3.

OCCUPANT INJURY Vehicle: 2 Occupant: 1

11

### INTRA ERRORS

OTTO821 2 If a PARTIAL INJURY CODE (0106+0107+0108)(n) equals 5202, 5212, TT0822 5214, 5216, 5410, 5416, 5428, 6506 or 8526, then no other INJURY TT0823 CODE should exist with (0106+0107+0108+0109+0110)(p) equal to TT0824 5438003.

### 01 INTER ERRORS

OMM0141	2	***** THIS CASE SHOWS AN AIR BAG NON DEPLOYMENT ******
MM0142		***** WITH CONDITIONS OF DOF AND DELTA V WHICH WOULD *****
MM0143		***** NORMALLY CAUSE DEPLOYMENT. CHECK YOUR DATA AND *****
MM0144		***** IF CORRECT, NOTIFY YOUR ZONE CENTER. ******
MM0145		AIR BAG DEPLOYMENT OA22 equals 4 and ((LONGITUDINAL DELTA V GV31
MM0146	-	equals 99 and 1st DIRECTION OF FORCE EVO6 equals (10, 11, 12,
MM0147		01, or 02)(mod 20) and 1st DEFORMATION EXTENT EV11 is greater
MM0148		than 01) or LONGITUDINAL DELTA V GV31 is less than -8). GV=02 OA=01

PSU48

#### ERROR SUMMARY SCREEN

/**6**704

CASE 211J

CURRENT VERSION: 6.02

FORM NAME	NUMBER OF DOLLAR SIGNS	NUMBER OF LEVEL 1 ERRORS	NUMBER OF LEVEL 2 ERRORS	VERSION NUMBER CONSISTENT
Accident	0	0	0	Υ
General Vehicle	0	0	0	Υ
Vehicle Exterior	0	0	0	Υ
Vehicle Interior	0	0	0	Υ
Occupant Assesment	0	0	1	Υ
Occupant Interior	0	0	1	Υ
Total Inter Errors		o	1	
Total Case Errors	0	0	3	



U.S. Department of Transportation

National Highway Traffic Safety Administration

### **SLIDE INDEX**

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

Primary S	ampling U	nit Number _	4 8 Case Number — Stratum 2 1 1 J
Slide No.	Vehicle No.	Direction of Picture	Description of Slide Subject Matter
1-3	1	w	Path of travel of V1.
4	1	w	Area of impact.
5	11	N	Final rest of V1 (police marking).
6	1	E	Opposite view from final rest.
. 7	11	Ε	Opposite view from impact.
8-10	1	N	Path of travel of V2.
11	1	N	Area of impact.
12-13	1	N	Final rest of V2 (police markings).
14	1	SE	Opposite view from final rest.
15-29	1 .		Exterior views. (15) > 30
30-44	1		Interior views. 15
45-63	2		Exterior views. (19)
64-79	2		Interior views. (16)
		-	
	İ		



















11J (1993) #





















-211J (1993) #19



1110 (1000) #0



















1J (1993) #29



1 (1993) #30















1993) #37







J (1993) #40





211J (1993) #42



1.1 (1003) #43







PSU 48-211J (1993) #46 Best Available







PSU 48-211J (1993) #49



PSU 48-211J (1993) #50







11J (1993) #5





PSU 48-211J (1993) #55



PSU 48-211J (1993) #56



1J (1993) #57





1J (1993) #59









1.1 (1993) #63





3-211J (199

























PSU 48-211J (1993) #77



